USAFETAC/DS-83/022

DATA PROCESSING DIVISION **USAFETAC** Air Weather Service (MAC)

REVISED LINIEDOM SLIMMARY DE SURFACE WEATHER UBSERVATIONS

ELLSWCRIH AFB SD

N 44 09 W 103 06 ELEV 3276 FT

PARTS A-F

HOURS SUMMARIZED:

0000Z - 2300Z

PERIOD OF RECORD:

HOURLY OBJERVATIONS: JAN 73 - DEJ 82 SUMMARY OF DAY DATA: FEB 39 - JUN 45, AF: 48 - DEC 82

TIME CONVENSION OWN TO LST: -7

JUN 07 1983

DISTRIBUTION STATEMENT A

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FOR THE COMMANDER

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REPORT DOCUMENTATION PAGE	READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER 07/000 " 2. GOVT ACCESSION NO.	
USAFETAC/DS -83/022 * DI 4/3/1 196	
4. TITLE (and Subtille) Revised Uniform Summary of Surface	5. TYPE OF REPORT & PERIOD COVERED
Weather Observations (RUSSWO)-	- THE OF REPORT & PERIOD COVERED
#Cacher observacions (Nosswo)-	Final rept
ELLSWORTH AFB, RAPID CITY, SOUTH DAK	
7. AUTHOR(a)	8. CONTRACT OR GRANT NUMBER(a)
9. PERFORMING ORGANIZATION NAME AND ADDRESS	10. PROGRAM ELEMENT, PROJECT, TASK
USAFETAC/OL-A	AREA & WORK UNIT NUMBERS
Air Force Environmental Technical Appl. Center	
Scott AFB, IL 62225	
11. CONTROLLING OFFICE NAME AND ADDRESS	12. REPORT DATE JUN 83
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18. SUPPLEMENTARY NOTES	
SUPERSEDES REPT. NO. USAFETAC/DS-78/0	005
19. KEY WORDS (Continue on reverse side if necessary and identify by block number)	•
·	nospheric pressure
* - *	creme surface winds
	chrometric summary
	ling versus visibility
Relative Humidity *Climatological data	(over)
20. ABSTRACT (Continue on reverse side if necessary and identify by block nur-her)	
This report is a six-part statisitical summary of	surface weather observations
for ELLSWORTH AFR RAPID CITY SOUTH DAYS	, m 4
ELLSWORTH AFB, RAPID CITY, SOUTH DAKO	OTA .
	•
It contains the following parts: (A) Weather Cond	litions; Atmospheric Phenomena
(B) Precipitation, Snowfall and Snow Depth (Daily	amounts and extreme values):
(C) Surface winds; (D) Ceiling versus Visibility;	
7.004	The state of the s

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19. Percentage frequency of distribution tables
Dry-bulb temperature versus wet-bulb temperature
Cumulative percentage frequency of distribution tables

*SOUTH DAKOTA

*ELLSWORTH AFB *RAPID CITY

20. Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb and dew point temperatures and relative humidity); and (F) Pressure Summary (means, standard, deviations, and observation counts of station pressure and sea-level pressure). Data in this report are presented in tabular form, in most cases in percentage frequency of occurance or cumulative percentage frequency of occuring tables.

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USAFETAC-05-83/002 ADE 850 401 USON 726625

The number that identifies the station in this summary is an AWS Master Station Catalog number. This number is comprised of the WMO number with the addition of a suffix zero; or, in cases where there is no designated WMO number, a 5-digit number created in agreement with WMO rules, plus a sixth qualifying digit. These numbers (also referred to as DATSAV or USAFETAC numbers) uniquely identify each of more than 15,000 reporting stations around the world. This is the provenance of the number (e.g., MSC 999999) which will appear on future OL-A standard products.

JS AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

source, observations are defined as those record or record-special observations recorded at scheduled hours, intervats,

DAILY OBSERVATIONS

1911) A servations are selected from all data recorded on reporting forms and combined into "mamary of the "my observations. (Selected from record-special, local, summary of the day, remarks, etc.)

DESCRIPTION OF SUMMARIES

recessful each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the Laminer of presentation. Patulations are prepared from hourly and daily observations recorded by stations updated by the U.S. Services and some foreign stations using similar reporting practices.

horn observing noted the following numberies are included for this station:

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PARTC SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC DRY VS WET BULB

MEAN & STD DEV - (DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

At the manufactor requiring diurnal variations are summarized in eight 3-hour periods corresponding to the forcesting sets of nours; observations: +ter-e, hourspoo, obco-0500, 0900-1100, h.co-1400, 1500-1700, 1500-2000, 2100-2000 hours local standard time.

MISSING HOUR GROUPS

dummary sheets are omitted when stations maintaining limited observing achedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JAHUAKY	APRIL	JULY	ATOBEA
PERMANY	MA Y	AUGUSI	HOVEMBER
#Akch	JUNE	JEPTEMBER	DECEMBER

726	NO ON SUMMARY	STATION NAME ELLSWORTH AFB SD/RAPID (CITY	1	14 09	LONG:TUBE W 103 06	field elev.	PT.) CALL S		WMO NUMBER
		STATION LOCATI	ON A	ND I	NSTRU	MENT	TATION	HIST	ORY	
NUMBER OF LOCATION		GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS	LOCATION TO	LATITUDE	FONCILADE	ELEVATION ABOVE MSL FIELD (FT) HT. BARO.		OBS PER Day
1	Rapid Ci	ity AAF Weather Stn SD	AAF	Feb 193	Jun 1944	N 44 08	W 103 06	3210	3190	24
2	Same		Same	Jul 1944	May 1948	Same	w 103 05	3196	3189	24
3	Rapid Ci	Lty AFB SD	AFB	Jun 1940	Mar 1954	N 44 09	w 103 06	3246	3215	24
4	Ellswort	th AFB SD	Same	Apr 195	May 1955	Same	Same	Same	Same	24
5	Same		Same	Jun 195	Feb 1958	Same	Same	Same	Same	24
6	Same		Same	Mar 1958	Dec 1970	Same	Same	3276	Same	24
7	Same		Same	Jan 197	Dec 1979	Same	Same	Same	Same	24
8	Same		Same	Jan 198	Mar 1983	Same	Same	Same	Same	24
OF OCATION	DATE OF CHAMCE	SURFACE WIN	DEGUIPMENT	TYPE OF		HT ABOVE	REMARKS. AD	DITIONAL EQUIP	MENT, OR REA	SON FOR CHANGE
1 2 3 4 5	Feb 1939 Jan 1948 Jun 1950 Jun 1955 Apr 1956 May 1964	Not available. Not available. Located on control tower. Same Located approximately 1200 of weather station near controls runway. 1. Runway 30-Located 800 in centerline and 1700 ft from	enter of	AN/GMC	N/A N/A ML-144 RO-2)-11 Same	N/A N/A 100 ft 107 ft 13 ft 20 ft				
		runway. 2. Runway 12-Located 730 is centerline and 500 ft from runway.	t from	Same		26 ft				

SAFETAC FORM 0-19 (OLA) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

CONTINUED ON REVERSE SIDE

HUMBER	STAD	SURFACE WIND EQUIPMENT INF				
OF CATION	OF CHANGE	ROITASOJ	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT. ABOVE GROUND	REMARKS, ADDITIONAL EQUIPMENT. OR REASON FOR CHANGE
7	May 196	2. Same	Same	RO-362	Same Same	
8	Jan 197	 Located 887 ft from centerline and 1886 ft from end of rnwy 30. Located 730 ft from centerline 		Same	Same:	
9	Dec 197	and 892 ft from end of rnwy 12.	Same	Same	Same	
	Mars 100		Same		Same	
1	Mar 198		Same	Same	Same	
		2. Same	Same	ž.	Same	
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U S AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

- 1. By month and annual, all hours and years combined.
- 2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drissle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glass) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAM sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

A - 1

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

Y - 5

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

726625

ELLSWORTH AFB SD

73-82

JAN

STATION

STATION NAME

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

нтиом	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAL	20-00		.6		15.4		15.8	1.5		2 • 3	.1	3.8	930
	03-05		• 2	•1	17.6		17.8	1.5		2 • 4		3.9	930
	06-08		• 2	. 4	17.8		18.5	2.3		2.6		4.7	937
	09-11		• 5	• 2	16.8		17.4	5.2	• 2	4.3		9.2	930
	12-14		. 3		15.4		15.6	3.2	• 5	5 • 1		8.5	930
	15-17		• 2	.1	13.7		13.8	2.5		5.3		7.5	230
	18-20		. 1		14.3		14.4	1.9		4.0		5.9	930
	21-23		. 3		15.1		15.3	1.6		2.7		4.3	930
											1		
TOTALS			• 3	•1	15.8		16.1	2.5	•1	3.6	٥.	6.0	7440

USAFETAC PORM 0-10-5(QL A), PREVIOUS SOTTON LOF THIS FORM ARE OSSOLETE

CLORAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

726625

ELLSWORTH AFB SD

STATION NAME

73-82

F£8 HTHOM

STATION

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

монтн	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	юс	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/ OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	30-02		• 9	. 7	20.4		21.9	6.4		2.7		9.1	845
	U 3- 05		1.1	. 8	23.4		22.0	8.4		3.0		11.2	846
	06-08		•7	1.7	19.1		20.8	9.9	• 1	3.7		13.7	846
	09-11		. 8	. 8	18.2		19.5	9.1	• 5	4.4		13.7	845
	12-14		. 4	• 2	14.1		14.7	7.2	• 2	3.8		11.2	846
	15-17		.6		14.7		15.2	5.7	•2	1.7		7.6	846
	18-2.3		.9		17.6		18.2	3.4		2.5		5.7	845
	21-23		.8	• 1	18.8		19.7	5.0		1.9		6.9	846
			-										
TOTALS			. 8	• 5	17.9		19.3	6.9	• 1	3.0		9.9	6766

USAPETAC ARY 64 0-10-5(OL A), REPHOLE EDITIONS OF THIS POSM ARE DESCRIPE

GLCBAL CLIMATOLOGY BRANCH US AFETAC AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

726625

ELLSWORTH AFB SD

73-82

MAR

STATION

STATION NAME

YEARS

HTHOM

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

нтиом	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND, OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	00-02		2 • 5	. 8	14.7		17.0	4.6		3.3		3.3	930
	03-05		1.2	1.0	14.6		16.0	3.7		3.6		7.4	930
	06-08		• 8	• 5	13.8		14.6	5.7		3 • 2		8.9	929
	09-11		• 8	• 1	13.9		14.5	6.3		3.1		9.2	930
	12-14		1.9		10.4		12.0	4.5		3.2		7.3	930
	15-17		1.5	• 3	10.5		11.8	3.4	• 1	3.2		6.7	930
	18-20	• 2	2.8	• 1	11.7		13.9	4 - 1	• 2	3.7		8.0	930
	21-23		3.8	• 2	12.9		14.9	4.9		3.5		8 • 6	930
TOTALS		•0	1.9	. 4	12.6		14.3	4.7	. 0	3.3		7.9	7439

USAFETAC NORM 0-10-5(QL A), PREVIOUS SOTIONS OF THIS FORM ARE OSSOLETE

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USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

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ELLSWORTH AFB SD

73-82

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STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

монтн	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	00-02		8,6		6.9	. 1	14.7	6.7		• 2		6.8	900
	03-05		6.9	• 1	7.1		13.2	8.1		• 2	•3	8.7	900
	U6-08		7.3	•1	8.1		14.1	10.1	• 1	.8	. 4	11.3	900
	09-11	• 2	7.6		6.0		13.0	7.4		• 6	•2	8.1	900
	12-14		5.9		4.8		10.1	5.2	• 3	1.1	•1	6.8	900
	15-17	. 3	8.4		5.1	. 1	13.2	3.8	• 6	. 7		5.0	900
	18-20	1.0	8.2		5.3		13.5	3.9	• 2	.7		4.8	899
	21-23	. 4	8.6	• 2	6.8		15.0	4.8	•1	• 6		5.3	900
TOTALS		•2	7.7	• 1	6.3	. ၁	13.4	6 • 3	• 2	• 6	.1	7.1	7199

USAFETAC PORM 0-10-5(OL A), PREVIOUS EDITIONS OF THIS PORM ARE OSSOLETE

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WEATHER CONDITIONS

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ELLSWORTH AFB SD

73-82

MAY

STATION

STATION NAME

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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

нтиом	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00-02	1.0	11.2		1.0		11-7	2.4				2.4	930
	03-05	. 6	11.6		. 8		12.2	5.6				5.6	930
	06-08	• 2	10.3		1.0		11.3	7.7				7.7	930
	09-11	.4	11.1		1.0		11.9	4.6				4.6	930
	12-14	2.4	12.3		.6	• 1	12.8	3.0	.3		• 3	3.7	930
	15-17	2.5	10.6		. 3	• 2	11.0	1.9			• 3	2.3	930
	18-25	3.8	12.0			• 2	12.0	2.3			• 3	2.6	930
	21-23	2.0	11.5		• 5		11.8	1.8	•1			1.8	929
TOTALS		1.6	11.3		.7	• 1	11.8	3.7	• 1		•1	3.8	7439

USAFETAC $^{\text{ROBM}}_{\text{ARY 64}}$ 0-10-5(QL A), previous editions of this posm are ossolete

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

726625

ELLSWORTH AFB SO

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STATION

STATION NAME

YEARS

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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

монтн	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NUL	00-02	3.6	8.9				8.9	• 2				. 2	899
	03-05	1.2	5 • 2				5 • 2	1.9				1.9	900
	06-08	• 3	4.7				4.7	2.9				2.9	900
	09-11	•2	5.1				5 • 1	2.4				2.4	900
	12-14	4.6	6.6				6.5	. 9				. 9	899
	15-17	6.8	8.8				8.8	. 8				. 8	900
	18-20	5.6	8.4			. 1	8 • 4	•6				.6	900
	21-23	4.8	8.3				8.3	.7				. 7	900
						i		,					
TOTALS		3.4	7.0			٥٠	7.0	1.3				1.3	7198

USAPETAC JULY 64 0-10-5(OL A), PREVIOUS SOITIONS OF THIS FORM ARE OSSOLETE

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WEATHER CONDITIONS

726625

ELLSWORTH AFB SD

73-82

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STATION

STATION NAME

YEARS

HTHOM

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

монтн	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	SLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00-02	2.9	6.5				6 • 5	1.1				1.1	930
	03-05	1.3	3.7				3.7	3.7	• 1			3.7	930
	U6-08	1.0	4.0				4.0	3.9	• 1			4.0	930
	09-11	. 4	3.9				3.9	.6				. 6	930
	12-14	4.2	6.5			• 1	6.5	1.1	• 2			1.3	930
	15-17	. 5 • 7	7.6				7.6	1.0	• 3			1.3	929
	18-20	5.3	6.3			• 1	6.3	. 3	• 2			• 5	930
	21-23	4.1	6.2				6.2	. 4				. 4	930
TOTALS		3.1	5.6			٥.	5.6	1.5	•1			1 - 6	7439

USAFETAC ROBM 0-10-5(QL A), PREVIOUS EDITIONS OF THIS FORM ARE OSSIGLETE

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WEATHER CONDITIONS

726625

ELLSWORTH AFB SD

73-82

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STATION

STATION NAME

HTHOM

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

монтн	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00-02	1.4	4.2				4.2	• 9				. 9	929
	03-05	.9	4.3				4.3	2.3				2.3	930
	06-08	. 4	4.0				4.0	2.7				2.7	930
	09-11	.2	3.2				3.2	1.3	•1			1.4	930
	12-14	3.1	4.9				4.9	. 1	.3			. 4	930
	15-17	5.1	5.3				5.3	. 4				. 4	929
	18-20	3.8	5.0				5.0	• 2				• 2	929
	21-23	3.8	6.4				6.4	. 3	•1			. 4	939
TOYALS		2.3	4.7				4.7	1.0	•1			1.1	7436

USAPETAC 2019 64 0-10-5(QL A), regyous somons of this foem are ossociete

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GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

726625

ELLSWORTH AFB SD

73-82

SEP

STATION

STATION NAME

YEARS

HINOM

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

нтиом	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00-02	. 7	3.4				3.4	1.6				1.6	900
	03-05	. 6	4.2				4 • 2	1 • 3				1.3	900
	06-08	. 3	5.8				5.8	3.4				3.4	900
	09-11	. 3	5.7				5.7	2.8				2.8	900
	12-14	.4	4.7				4.7	1.2			····	1.2	900
	15-17	1.3	4.4				4.4	• 8				. 8	900
	18-20	1.3	5.6				5.6	1.0				1.0	900
	21-23	. 8	5.6		• 1		5.6	1.1				1.1	900
	•					·							
TOTALS		.7	4.9		•0		4.9	1.7				1.7	7200

USAFETAC JULY 64 0-10-5(OL A), PREVIOUS EDITIONS OF THIS FORM ARE OSSOLETE

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GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

726625

ELLSWORTH AFB SD

73-82

OCT

STATION

STATION NAME

YEARS

HINOM

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

монтн	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	00-02	•2	5.6		2 • 3		7.6	1.6				1.6	930
	03-05	.2	5.6		2.3		7.2	1.4		• 1		1.5	930
	06-08	• 5	5 • 6	• 2	2.5	• 1	7.6	2.0		• 3	• 1	2.5	930
	09-11	•2	4.7		3.4		7.7	1.9		• 3		2.3	930
	12-14	•1	5.3		3.2	•1	8.3	2.0		• 3		2.4	930
	15-17		5.4		2.9		8.1	2.5		• 1		2.6	930
	18-20	• 2	5.1		3 • 2		7.6	1.0		. 3		1.3	930
	21-23	. 4	5.5		3.1		8.3	1.0		. 3	•1	1.4	930
TOTALS		.2	5.4	•0	2.9	•0	7.8	1.7		. 2	•0	2.0	7440

USAPETAC PORM 0-10-5(QL A), PREVIOUS SOTTONS OF THIS PORM ARE OSSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

726625

ELLSWORTH AFB SD

73-82

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

МОНТН	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00-02		.9	. 4	13.1		14.2	4.0		1.9		5.6	900
	03-05		• 3	1.0	13.1		14.1	5.0		1.6		5.6	900
	36-08		1.1	• 9	12.1		13.4	6.3	• 1	2.0		8 • 3	900
	ט9-11		1.4	. 8	12.3		14.1	5.7	-	1.7		7.2	900
	12-14		.9	• 2	9.9		10.9	4.4		1.4		5.7	900
	15-17		1.1		9.7		10.6	4.2		1.4	•	5.7	900
	18-20		•6		11.4		11.9	2.6		1.8		4.3	900
	21-23		1.6	. 4	12.4		14.2	3.4		1.6		5.0	900
TOTALS			1.0	• 5	11.8		12.9	4.5	•0	1.7		6.1	7200

USAFETAC FORM 0-10-5(QL, A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

726625

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ELLSWORTH AFB SD

STATION NAME

73-82

DEC MONTH

STATION

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00-02		. 4	• 5	13.7		14.6	5.2		1.8		7.0	929
	03-05		•8	- 8	13.1		14.4	5 • 9		1.8		7.7	930
	06-08		. 9	• 5	12.3		13.7	5.7		1.7		7.1	930
	09-11	• 1	.4		12.0		12.2	5 • 1		2.2		7.2	930
	12-14		1.0	• 2	10.4		11.4	4.5		1.7		5.9	930
	15-17		1.1	• 3	9.8		11.0	3.6		2.5		6.0	929
	18-20		.6	• 9	13.0		14.0	3.5		1.9		5 • 4	926
	21-23		.9	• 8	13.6		15.0	3 • 2		2.4		5 • 5	927
TOTALS		•0	. 8	• 5	12.2		13.3	4.6		2.0		6.5	7431

USAFETAC $^{PORM}_{JULY \, 64} = 0.10-5 (OL. A)$, PREVIOUS EDITIONS OF THIS PORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

726625

ELLSWORTH AFB SD

73-82

ALL

STATION

STATION NAME

YEARS

HINOM

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SHOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOYAL NO. OF OBS.
NAL	ALL		• 3	•1	15.8		16.1	2.5	• 1	3.6	• 0	6•0	7440
FEB			• 8	• 5	17.9		19.0	6.9	. 1	3.0		9.9	6766
MAR		•0	1.9	. 4	12.8		14.3	4.7	•0	3.3		7.9	7439
APR		•2	7.7	•1	6.3	• 0	13.4	6.3	•2	• 6	•1	7.1	7199
MAY		1.6	11.3		• 7	• 1	11.8	3.7	• 1		• 1	3.8	7439
JUN		3.4	7.0			• 0	7.0	1.3				1.3	7198
JUL		3.1	5.6			• 0	5.6	1.5	• 1			1.6	7439
AUG		2.3	4.7				4.7	1.0	• 1			1.1	7436
SEP		. 7	4.9		•0		4.9	1.7				1.7	7200
OCT		•2	5.4	•0	2.9	٥.	7.8	1.7		• 2	•0	2.0	7440
NOV			1.0	• 5	11.8		12.9	4.5	.0	1.7		6.1	7200
DEC		•0	•8	• 5	12.2		13.3	4.6		2.0		6.5	7431
TOTALS		1.0	4.3	• 2	6.7	•0	10.9	3.4	• 1	1.2	•0	4.6	87627

USAFETAC PORM 0-10-5(QL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949.

 Therefore, percentages in this column are restricted to the period Jan 1949 and later.
 - (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
 - (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than 5/8 mile.

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIP WEATHER SERVICE/MAC

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726625 ELLSWORTH AFB SD 49-82 ALL STATION NAME YEARS MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/ OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY		7.4	1.6	49.1	·	51.4	17.8	•3	16.2		29.9	1043
FEB			11.6	3.5	51.9		55.2	26.0	, 9	13.7		34.9	959
MAR		.5	16.9	2.7	46.2		53.2	22.4	.9	11.0	.4	30.2	1049
APR	ļ	4.1	37.0	1.9	27.9	.7	51.8	21.3	1.3	4.5		24.1	1000
MAY	ļ	17.7	55.5	• 2	4.1	4.3	56.8	16.3	.6	. 6	·	17.1	1054
JUN	ļ	32.7	54.7		5	4.1	54.8	12.4		1		12.5	1020
JUL	ļ	34.3	48.2			3.7	48.2	7.0	2			7.1	1054
AUS	ļ	26.0	42.8			3.0	42.8	6.3	•6			5.6	1054
SEP	<u></u>	9.0	33.1	. 2	2.0	.6	33.6	2.1	-1			9.2	1020
ОСТ		1.1	23.5	.9	11.0	.3	29.0	9.6		9		10.2	1054
NOV		.1	14.1	2.6	30.1	• 2	37.0	16.0	.3	7.7		20.7	1019
DEC		•1	10.0	2.8	41.9		45.5	19.0		11.1		26.9	1054
TOTALS		10.5	29,6	1,4	22.1	1.4	46.6	15.3	5	5.5	0	19.1	12380

USAPETAC $\frac{\text{ROBM}}{\text{JUY 64}} = 0.10.5 (GL/A)$, regyious somons of this robm are desourte

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U S AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

PART B

PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

- The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
- *2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION

".00" equals none for the month (hundredths)

EXTREME DAILY SNOWFALL

".0" equals none for the month (tenths)

EXTREME DAILY SNOW DEPTH

"0" equals none for the month (whole inches)

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

* Values for means and standard deviations do not include measurements from incomplete months.

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NOTES:

- (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

U. S. Navy and National Weather Service (USWB)

Beginning thru 1945 Jan 46-May 57	at 0800LST	Beginning thru Jun 52	at 0030GMT
	at 1230GMT	Jul 52-May 57	at 1230GMT
Jun 57-present	at 1200GMT	Jun 57-present	at 1230GMT

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF PRECIPITATION (FROM DAILY OBSERVATIONS)

726625 ELLSWORTH AFB SD STATION NAME

						AM	OUNTS (II	NCHES)						PERCENT		MON	HLY AMO	
PRECIP.	HONE	TRACE	.01	.0205	.0410	.11+.25	.24+.50	.51-1.00	1.01.2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	OF DAYS	NO.		(INCHES)	
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5.2.4	2.5.3 4	3.5.4.4	4.5.6.4	6.5.10.4	10.5-15.4	15.5.25.4	25.5.50.4	OVER 50.4	MEASUR-	OF OBS.	MEAH	GREATEST	LEAST
SNOW. DEPTH	NONE	TRACE	1	2	3	4.4	7.12	13-24	25.36	37 - 40	49.60	61-120	OVER 120	AMT5				
JAN	49.3	35.1	4.7	7 + 3	3.5	4.2	.7		• 1					20.6	1116	. 49	1.74	.01
FEB	44.1	32.7	3.5	0 • 9	4.1	4.9	1.2	• 5						23.2	1016	• 6 Z	2.19	TRACE
MAR	46.0	28.6	5 • 0	8.1	5.2	3.9	2 • 2	• 6	. 3					25.4	1145	•99	3.12	• 3 5
APR	49.6	22.9	3.2	7.1	4.1	5.7	4.1	2.3	1.1					27.5	1134	1.92	5.59	•75
MAY	43.1	22.0	3.5	6.6	6.2	7.0	5.2	4.3	2.0	•1				34.9	1178	3.07	9.81	. 23
NUL	43.0	19.4	2.5	8.8	5.6	7.7	6.7	4.3	2.0	•1				37.6	1116	3.16	7.74	.84
JUL	51.4	22.0	3.1	6.0	4.6	5.0	3.5	3 . 3	. 9	• 2				26.5	1139	2.13	5.73	• <u>U</u> 4
AUG	56.8	20.1	2.9	5.9	2.6	4.8	4.0	2.4	.5					23.1	1147	1.52	4.10	. 37
SEP	66.1	16.1	2.1	5.0	2.7	3.9	2.0	1.6	.5					17.7	1110	1.09	3.03	.01
ОСТ	70.6	14.6	2.0	3.7	2.7	2.7	2.2	1.3	. 3					14.7	1147	.92	3.54	.01
NOV	62.5	20.6	2.6	6.2	2.9	3.3	1.1	• 6	. 1					16.9	1109	.56	2.30	8 ن ه
DEC	55.2	26.7	3.2	7.3	3.7	3.3	.5							18.0	1144	. 39	1.10	TRACE
ANNUAL	53.1	23.0	3.2	6.7	4.0	4.7	2.8	1.7	• 6	• 0				23.8	13501	6.86	\times	≥ 1

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GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

EXTREME VALUES

PRECIPITATION

726625 ELLSWORTH AFR SD 43-45, 48-82
STATION STATION NAME YEARS

(FROM DAILY OBSERVATIONS)

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
43	1			. 33	.75*	. 85		.03	.16	.48	.10	.75	
44	1.22	.29	. 24	.65	1.64	1.60	2.22	.40	-14	.40	1.75	.16	2.23
45	.13	. 15	2.20	. 10	• 5 9	- 65	!	;	j	i	į	//	
48				-02	.70	.85	. 84	1.09	.22	.99	.10	.14	
49	• 1 2	• 25	.10	1.05	1.03	1.33	•03	.38	.04	• 5 9	• 79	• .15	1.33
50	•53	.28	.61	1.40	1.00	- 4 4	. 39	.75	1.21	.38	.22		1.40
51	• 36	TRACE	.20	.10	.32	. 97	. 52	1.34	.99	.65	.09	.24	1.34
52	.01	. 30	. 36	.17	1.31	.86	.98	•74	•01	.01	,28	.03	1.31
53	. 15	.64	.49	1.07	.42	1.90	.47	.82	.43	.04	. 15		1.90
54	.07	.17	1.39	,17	.99	1.36	.34	•66	•05	.47	.45	.11	1.36
55	• 20	. 99	. 30	.61	1.58	• 5 5	1.29	• 4 8	.90	-15	. 28	•22	1.58
56	• 27	•11	.71	.56	.53	.54	.50	•73	1.34	20	.40	.10	1.34
57	• 16	.18	.19	. 37	1.53	• 5 9	.21	•54	.40	• 3 3	. 16	.03	1.53
58	• 28	.14	.40	1.72	.41	1.85	.69	.43	.04	.33	.30	•22	1.85
59	. 20	. 24	• 06	.73	1.07	. 77	1.01	.79	1.08	•05	.63	.12	1.08
60	.14	. 29	.27	.77	.73	1.35	-09	1.13	.57	.01	.19	.48	1.35
61	.11	.12	. 39	.52	.33	. 60	.52	•07	.27	•66	. 34	.17	• 6 6
62	. 39	. 31	. 33	.26	2.09	.63	1.17	.40	.23	1.42	.04	.14	2.09
63	• 22	. 48	.95	1.22	1.14	1.55	•50	.32	•72	•30	. 19	.04	1.55
64	• 22	. 33	.51	.65	.89	1.43	.22	1.01	.72	.49	.17	.27	1.43
65	. 24	.09	• 16	. 49	3.09	.76	.78	.63	.59	.30	.09	.15	3.09
66	•06	.62	1.43+	1.40	.13	.49	1.68	.61	1.93	.82	.37	.10	1.93
67	.17	.07	.17	1.84	1.25	2.42	. 84	.28	.57	.08	.20	.11	2.42
69	-13	.13	.04	.74	. 36	2.30	1.25	.78	.41	.08	.16	.30	2.30
	• 0 3	. 23	. 14	. 44	1.31	. 85	3.23	• 04	•28	.31	.11	.16	3.23
70	.31	. 32	. 38	1.66	.70	1.80	.37	.18	.48	.22	.54	.22	1.80
71	. 44	. 25	.46	. 8 3	1.22	. 5 5	.31	. 34	.95	.68	.23	.04	1.22
72	.11	.11	.19	.83	.73	2.30	2.66	.82	.10	.71	.11	.16	2.66
73	• G 3 4	T	1.26	.87	.71	• 51	.60	.53	.59	.98	. 25	.21	1.26
74	• 06	. 24	.19	.48	.70	.47	,69	1.03	.71	.79	.07	.05	1.03
MEAN													
\$ D.	Ţ												
TOTAL OSS.													

NOTE + (BASED ON LESS THAN FULL MONTHS)

USAF ETAC AL M 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/HAC

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EXTREME VALUES

PRECIPITATION

(FROM DAILY OBSERVATIONS)

726625 ELLSHORTH AFR SD NAME

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
75	• 25	. 39	.31	.88	. 59			.40	.03	.27	.13	.26	1.1
_76	- 26	13	-10	-82	1.02	3.25	50		-16	32		lá	3.2
77	• 1 7	• 🛚 9	• 6 6	.94	1.18	. 32	•70	.44	1.80	.96	.70	•10	1.8
78	C5	19		1.50	. 63		1.33	7.3	-09	-15	91	-11	ل 5.م.1 . ـ .
79	. 19	. 15	•11	. 23	. 36	1.13	.90	1.05	.12	•29	•09	•02	1.1
<u> 80 </u>	14		. 38		- 97	. 54	-29	-61	-20	2.07	12	32	2.0
81 82	• 16 • 07	• 56 • 20	.04	•18 •26	1.11	.35	2.24	.23	20	2.10	.11	•14 •17	2.24
			4 4 9		4403			•••	100	- * • • • •			2.1
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MLAN	204	.239	. 445	-729	.971	1.084	.916	.595	.534		34.7	14.5	1 7 7 1
\$. D.	208	193	451	474	4571	700	736	.320	491	.554	<u>-267</u> -	149	1.734
TOTAL OSS.	1116	1016	1145	1134	1178	1116	1139	1147	1110	1147	1109	1144	13501

NOTE + (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

(FROM DAILY OBSERVATIONS)

726625 ELLSWORTH AFB SD STATION NAME

TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
43			•12*	.04	1.90	1.13	1.10	.07	.16	.77	.17	.13	
44	1.74	. 41	. 87	1.63	4.05	5.01	4 . 07	. 5 3	.31	.79	2.30	-41	22.1
45	.60	.60	3.12	. 35	2.30	4.09					:	1	
48	1	f	*	.02	1.15	2.91	2.05	2.61	.51	1.20	. 13	.14	
49	. 43	. 25	. 32	2,42	1.61	2.08	.04	1.04	.07	1.15	.13		+ 9.7
50	. 6 3	.30	2.37	2.48	1.98	.84	1 - 22	2.32	2.29	.68	• 33	TRACE	15.4
51	.06	TRACE	.70	.19	1.70	3.32	.92	4.10	2.72	1.30	.18	.80	15.9
52	.01	.78	.73	.21	6.01	2.51	1.63	1,60	.01	.01	.32	• 33	13.8
53	. 56	2.19	• 5 9	3.33	2.12	5.14	.85	2.74	.65	.07	.52	.19	18.9
54	. 17	- 28	2.21	. 18	2.48	3.11	-60	1.76	.08	1.01	.56	. 25	12.6
55	• 5 3	1.82	.82	1.15	2.29	2.35	2.55	1.28	2.26	.30	.50	.85	16.7
56	. 59	. 28	1.12	1.82	1.74	1.24	1.96	2.77	1.70	.23	.86	. 34	14.6
57	. 38	- 41	.40	1.46	6.60	2.98	.71	1.38	.58	1.05	.32	.04	16.3
58	. 28	.59	. 89	5.45	1.02	6.24	3.95	.72	.06	.46	.80	.68	21.1
59	.62	.71	.21	1.50	2.54	1.86	1.08	1.02	2.59	.11	2.16	. 37	14.7
60	. 39	.99	.71	1.31	1.32	3.94	. 33	2.45	.74	.01	. 54	.89	13.6
61	.14	.29	.85	1.39	1.12	1.14	1.47	.10	.65	.84	.61	.60	9.2
62	1.30	1.13	.80	.56	9.81	3.06	3.02	. 49	.31	1.82	.09	. 24	22.6
63	1.12	1.31	1.12	3.69	2.37	3.84	1.27	.95	1.43	.62	• 30	.19	18.2
64	. 39	1.03	1.39	1.20	3.10	4.47	.63	1.56	.82	.49	. 38	1.10	16.2
65	.77	.28	. 49	1.51	7.56	3.23	2.55	2.45	1.83	.57	.27	.27	21.7
66	.27	.98	2.34+	3.04	.23	1.91	5 . 73	1.77	2.84	1.77	.94	.45	+22.2
67	. 36	• 25	.40	5.59	4.84	7.74	2.25	.76	1.96	.20	.23	. 39	24.9
68	.25	. 48	•11	1.79	1.25	6.84	2.08	2.26	.99	.08	. 46	.70	17.2
69	.16	.85	.52	1.47	2.27	3.22	4.87	.09	.67	.67	.28	. 38	15.4
70	.92	.50	1.32	4.50	2.53	2.64	.91	. 37	1.52	. 8 5	1.23	.55	17.8
71	1.05	.78	. 86	3.23	4.11	1.87	.92	1.00	2.36	1.92	.62	.08	18.8
72	. 31	. 4 3	. 44	2.87	3.61	6.21	4 . 5 2	1.52	.22	. 54	. 25	.41	21.6
73	. 37	• .16	2.78	2.79	2.54	.92	1.98	1.21	1.74	1.32	.62	.41	+16.5
74	.14	. 32	43	1.47	2,56	1.09	1.49	2.29	.81	1.27	.08	.14	12.0
MEAN													
\$. D.													
TOTAL OBS.											 †		

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC ALM D-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

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MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

726625 ELLSHORTH AFR SO NAME

TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONYHS
75	.78	.25	1.13	1.82	1.19	4.21	2.16	.79	•C3	.45	.38	.74	13.9
76	- 32	-68	-17	1.71			1.02	-68	3.03			.43	15.42 18.60
77 78	.72	.18	2.18	3.11	3.16 3.18	1.16	2.41	1.40	-16	1.41	1.65	.36	16.5
79	.59	.43	.40	. 4.3	1.25	3.65	3.43	1.89	.13	.85	.13	.02	13.20
80	. 35	4.8	1.34	1.09	2.69	2.22	-66	2.79	.54	2.20	.39	.50	14.90
81	. 20	.09	.05	.30	4.67	1.22	4.95	.72	. 34	2.56	. 22	.28	15.60
82	. 26	.42	1.66	. 75	8.52	2.58	3.25	2.69	2.82	3.54	.30	.44	27.2
MEAN	487	-618		1.923			2.133		1.089	.925	.561	.389	17.17
\$. D.	. 381	468	783	1.398	2.148		1.456	.939	977	. 768	531	26.9	3.96
TOTAL OBS.	1116	1016	1145	1134	1178	1116	1119	1147	_1110	1167	ung	1144	13501

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE PREQUENCY OF SNOWFALL (FROM DAILY OBSERVATIONS)

726625 ELLSHORTH AFR SD STATION NAME

			AMOUNTS (INCHES)											PERCENT		MONTHLY AMOUNTS		
PRECIP.	NONE	TRACE	.01	.0205	.0610	.1125	.2650	.51-1.00	1.01.2.50	2.51-5.00	5.01-10.00	10.01-26.00	OVER 20.00	OF DAYS	NO.		(INCHES)	
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5.4.4	4.5.6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4	MEASUR-	OF OBS.	MEAN G	GREATEST	LEAST
SNOW- DEPTH	NONE	TRACE	1	2	3	4.6	7.12	13-24	25.76	37.48	49.40	♦1-120	OVER 120	AMTS				
MAL	50.8	29.2	9 • 8	6.7	2.3	. 8	.3	• 1	.1					20.0	1054	5.3	18.7	TRACE
FEB	47.8	29.7	9.4	7.2	3.2	1.6	•5	. 4	• 2					22.5	959	7.2	19.5	. 7
MAR	52.9	24.7	9.3	7.6	2.5	1.0	•5	• 6	• 7	. 3				22.4	1054	9.1	28.7	TRACE
APR	71.7	15.4	4.7	3.0	2.1	1.2	•6	• 8	. 4		• 1			12.9	1019	6.6	42.8	TRACE
MAY	95.6	2.6	. 4	. 9	• 2	• 2	•1	• 1						1.8	1054	. 7	7.1	• 0
אטנ	99.5	• 2	• 1	• 1				- 1						. 3	1020	• 2	6.1	.0
JUL	100.0														1054	• 0	• 0	• Ü
AUG	0.001														1054	• 0	• 0	.0
SEP	97.3	2.3	. 3	. 2									· ·	• 5	1020	• 1	1.6	. 3
ОСТ	89.2	6.7	1.2	1.8	. 5	. 4		• 2						4.1	1053	1.6	8.2	•0
ноч	69.9	17.3	5.1	4.3	1.6	. 8	• 5	. 4	. 1	. 1				12.9	1519	4.7	16.0	• 0
DEC	58.0	24.4	7.1	6.3	2.8	. 9	•5	• 1						17.6	1054	5.2	11.0	TRACE
ANNUAL	77.7	12.7	3.9	3.2	1.3	.6	•2	• 2	. 1	•0	•0			9.6	12414	40.7	\times	\times

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

726625 ELLSWORTH AFB SO STATION NAME

24 HOUR AMOUNTS IN INCHES

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	oct.	NOV.	DEC	ALL
YEAR	JAN.	769.	MAR.	AFK.	MAT :	JUN.	JUL. I	AUG.	3CF.	OC1.	NOV.	DEC	MONTHS
49	3.0	2.5	1.0	TRACE	TRACE	• 0	• 0	• 0	TRACE	1.0	• 0	2.3	3.
5 ů j	• 9	1.7	6.7	4.6	3.5	• S	• 0	• 0			3.9		6.
51	• 6	. 6	3.0	1.0		5 • 9	• 0	• 0	TRACE		. 7		5.
5.2	TRACL	3.0	3.6	. 3	• 0	<u>0</u>	• O <u>i</u>	.0	0	TRACE	. 4		3.
53	1.5	6 • 4	4.9	2.3	. 9	۵ •	• 0			٥.	1.5	.7	6.
54	. 7	. 7	10.9	TRACE	1.0	TRACE	• 0	• 0	.0	4.7	4 . 5	• 5	10.
55	2.0	9 . 7	3.0		• 3	• 0	• 0	ں .	. 3		2.8	2.2	9.
56	2.7	1.1	7.1	5.6	• 6	• 0	• 0	. 0	. 0	. 3	4.0	1.0	7.
57	1.6	1.8	1.9	3 . 3	• 0	• 0	• 0	• 0	• 3	TRACE	. 4	. 1	3,
58	2 . 8	1.4	1.0	5.4	.0	• 0	.0	• 0		• 1	3.0	2.3	5.
59	2 • ü	2.2	. 6	8.0	TRACE	• 0	• 0	٥.		• 5	7.1	1.2	8.
60	1.4	2.9	1.0	5.4	ان •	• 0	0	. 0	TRACE	• 1	1.6	5.8	5.
61	1.1	1.2	3.6	2.2	TRACE	• 0	• 0	• 🗓	.6	2.3	2 • 1	2.1	3.
62	3.9	3.1	1.8	. 5	. J	• 0	•0	ں •	TRACE	• 0	• 2	1.4	3.
63	2.2	4 . 8	8.7	2.8	• 3	• 0	• 0	ت .	• 0	TRACE	• 4	.6	8.
64	2.4	3.7	5.2	1.7	. 3	<u>. U</u>	.0	.0	.0	• 0	1.8	2.7	5.
65	2 . 4	. 9	1.6	5.4	4 . 5	, •0	• 0	• 0	1.2	• 0	. 3	• 1	5.
66	• 6	7.2	14.2		. 5		• 0	. 0	• 0	* .7	5.3	1.9	14.
67	2 • 5	1.7	2.9	7.3	2 • 2	• 0	• 0	• 0	TRACE	• 0	2.0	1.9	7.
68	3.4	2.2	. 5	3.6	TRACE		• 0	• 0	.0	• 0	1.0	3.0	3.
69	- 4	2.9	1.8	1.8	TRACE	• 8	• 0	• 0	• 0	2.5	1.0	4.0	4.
70	1.5	4.3	5.3	18.0	TRACE	. 0	. 0	.0	TRACE	2.3	3.0	2.8	18.
71	6.9	4.0	5.7	5 • 4	• 0	• 0	• 0	• 0	TRACE	5.0	3.2	2.0	6.
72	2.0	2.6	. 3	1.3	• 5		.0	. 0	TRACE	1.3	1.2	2.8	2.
73	• 8 ◆	- 8	14.0	2.5	ں .	• 0	• 8	٠ ت	• 0	1.3	4 • 7	3.9	14.
74	1.2	2.9	. 5	4.2	٠.٥	• 0	• 0	• 0	TRACE	TRACE	. 6	• 6	4.
75	4 - 1	2.1	3.2	1.9	• 0	• 0	• 0	. 0	• 0	2.3	6.0	4.0	6.
76	3.8	2.7	2.0	1.0	• 0	• 0	. 0		. 5	. 3	* 3.D	3.0	3.
77	2.3	2.0	10.0	• 2	• 0	. 0	• 0	.0	• 0	TRACE	12.0	2.0	12.
78	. 5	4.3	2.2	4.0	. 8	. 0	. 0	.0	0 •	TRACE	3.7	1.2	4.
MEAN													
\$. D.		T											
TOTAL OBS.												- I	

NOTE + (BASED ON LESS THAN FULL MONTHS)

USAF ETAC MAN 046-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH USAFETAC EXTREME VALUES AIR WEATHER SERVICE/MAC (FROM DAILY OBSERVATIONS) 726628 ELLSHORTH AFR SO NAME 24 HOUR AMOUNTS IN INCHES MONTH ALL MONTHS JAN. PES. MAR. JUN. AUG. SEP. OCT. DEC. MAY NOV. YEAR 79 3.1 2 . 5 .O TRACE .9 TRACE 83 2-1 4-4 4.4 2.7 1.2 TRACE TRACE TRACE • 3ⁱ 2.0 2.7 81 • Q • 0; 1.3 82 Z.B TRACE • 0 1.8 .. 3 . 7. C

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.07 .99 2.58 2.64 .234 1.396 2.473 1.433 1020 1053 1019 1054

6.09

3.242

2.52 2.86 4.13 3.47 .50 .20 1.387 1.941 3.787 3.416 1.079 1.017 1054 959 1054 1019 1054 1020 1054 TOTAL OSS. 1054 NOTE + (BASED ON LESS THAN FULL MONTHS) USAF ETAC ANA 0-88-5 (OLA)

MEAN

S. D.

(FROM DAILY OBSERVATIONS)

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726625 ELLSHORTH AFB SD STATION NAME

49-82 YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
49	12.1	2.5	2.4	TRACE	TRACE	• 0	• 0	• 0	TRACE		• 0		25.3
50	2.4	1.9	28.7	12.3	5.1	ر ,	• 0	• 0			6.9	TRACE	63.3
51	• 6	. 7	6.6	1 - 4	TRACE	6.1	• 0!	• 0			1.7		24.6
52	TRACE	7.5	5 . 8	. 3	• 0	.0	0	٥٠	0	TRACE	4	• 3	14.3
53	5.5	19.5	5.9	9.0	. 9		• 0	• 0	٥٥		3.3	1.3	45.4
54	1.8	1.5	22.1	TRACE	1.9	TRACE	• 0	. 0	.0	6.5	5 . 6	1.0	40.4
55	5 • 3	18.0	8 . 2	6.6	• 3	• 0	• 0	• 0	• 3		4 . 5	8 - 5	52.1
56	4.5	2.8	11.2	13.8	• 6		• 0	.0	• 0	. 3	8.6	3.2	45.0
57	3 • 8	4.1	4.0	11.9	• 0	• 5	• 0	• 0	. 3	TRACE	1.2	• 1	25.4
58	3.0	4.7	4.6	16.1			• 0	. 0	. 0	- 1	4.4	6.6	39.5
59	4 . 7	6.9	2.1	13.3	TRACE	• 0	• 0	• 0		• 5	16.0	3 • 4	46.9
60	3.9	9.9	4.4	6.6	• 0;	٥٠	• 0	• 0	TRACE		4.6	10.6	40.1
61	1 - 4	2.1	7.0	4.0	TRACE,	• 0	• 0	• 0			3.7	6.1	27.6
62	12.3	7.6	6.1	. 6	ا ق	. 0	• 0	. 9	TRACE		• 2	2.3	29.1
6.3	11.2	10.9	10.5	4 - 7	• C	• Q	• 0	• Û	.0	TRACE	. 4	2.1	39.8
64	4 . 3	10.0	10.4	3.5	• 0		ان .	.0	🖢 📆		3.6	11.0	42.8
65	5 • 5	2.7	4.9	7.8	7.1		• O,	• 0	1.6	• 0	• 6	• 1	30.3
66	2.7	10.8	24.1	12.1	• 5	. 0	• 0	• 0	• 0		8.7	6.5	* 65.6 47.2
67	6.5	7.0	7.4	7.3	4.3	•0	ت .	• 0	TRACE		4 . D	10.7	47.2
68	8.5	7.2	1.3	9.0	TRACE	. 3	• 0	• 0	<u>.</u>	• 3	1.1	9,9	37.0
69	1.9	10.2	5.6	3.0	TRACE	. 8	• 0	• 0	• 0	2.5	2.7	6 • 4	33.1
70	5.9	6.0	15.6	42.8	TRACE	• 0	• 0	• 0	TRACE		4.3	9.1	89.5
71	18.7	12.7	13.5	7.0	• 0	• 0	• 0	٠ ن	TRACE	8 • Z	8 . 8	3.1	72.0
72	5.6	10.4	. 7	1.6	• 5	• 0	• 0	• 0	TRACE	2,4	3.2	7.5	31.9
73	1.8*	2.3	19.2	3.5	• 0	• 0	• 0	• 0	٠ ر	2.3	11.2	6.3	* 46.6
74	2.4	4.6	1.2	6.1		• 0	• 0	• 0	TRACE	TRACE	. 6	2.2	17.1
75	13.3	7.2	15.4	2.7	. 3	• 0	. 0	• 0	. 3	5 • €	7.6	10.3	62.5
76	4 - 3	6.1	4.2	1.0	• 0	• 0	• 0	• 0	. 0	. 34		6.6	+ 31.7
77	7.5	3.2	21.4	• 3	• 0	• 0	• 0	• 0	• 3		12.6	7.6	52.6
78	9	16.1	3.9	4.0	8		-0		• 1	TRACE	12.5	2.3	40.5
MEAN												I	
S. D.													
TOTAL OSS.											i		

NOTE + (BASED ON LESS THAN FULL MONTHS)

USAF ETAC AN M 0-88-5 (OLA)

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MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

726625 ELLSHORTH AFE SD.

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN,	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
79 85	7.5	5.5 7.6			2•6			ان . نان .	•0	TRACE		TRACE	22.
81 82	4.3	1.8	TRACE 16.6	TRACE	TRACE	• 0	• 0	• 0 • D	•0	2 • 2 2 • 0		4.8	11.
		i					-	· · · · · · · · · · · · · · · · · · ·					
				i				· · · · · · · · · · · · · · · · · · ·					······································
					·								
				-									
MEAN	5.27	7.16	9.15	6.63	•71	-20	מנו	.00	.08	1.58	4.70	5.24	4041
5 . 9 .			7.427	7.871	1.653	1.051	000	000	.295	2.304	4.363	3.537	16.88
OTAL OBS.	1054	959	1.054	1019			1054	1054	1020			1054	1241

NOTE + (BASED ON LESS THAN FULL MONTHS)

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNOW DEPTH (FROM DAILY OBSERVATIONS)

726625 ELLSHORTH AFR SD STATION NAME

]					AM	OUNTS (II	VCHES)						PERCENT		MON	THLY AMO	DUNTS
PRECIP.	NONE	TRACE	.01	.0205	.0610	.11 25	.2650	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	OF DAYS	TOTAL NO.		(INCHES)	
SHOWPALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	0.5-10.4	10.5-15.4	15.5.25.4	25.5-50.4	OVER 30.4	MEASUR-	Of OSS.	MEAN	GREATEST	LEAST
ENOW. DEPTH	NONE	TRACE	1	2	3	4.6	7-12	13-24	25-36	37-40	49-60	∳i-120	OVER 120	AMTS			Cathaga	
JAN	37.2	23.2	15.7	9.6	4.9	5.8	3.4	. 3						39.6	1109			
FEB	43.0	16.4	12.4	10.1	6.2	9.4	4.9	• 6						43-6	1009			
MAR	53.7	15.5	10.6	7.5	4 . 4	5 • 2	2 • 5	. 6						30.8	1116			
APR	83.2	7.4	3.2	2.1	1.1	1.4	1.0	• 6						9.4	1134			
MAY	98.5	• 4	. 4	. 3		• 3	. 1							1.1	1177			
JUN	99.7	- 1	. 1			• 1								• 2	1118			
JUL	100.0														1139			
AUG	100.0														1147			
SEP	99.7	• 2		. 1										• 1	1110			
ост	95.2	2.2	1.2	. 4	. 4	• 5								2.6	1145			
NOV	70.9	12.7	5.9	4.1	1.9	3.1	1.4							16.3	1101			
DEC	47.1	22.8	11.7	8.7	5.3	4 • 2	. 1							30.1	1133			
ANNUAL	77.1	8.4	5.1	3.6	2.0	2.5	1.1	. 2						14.5	13438		\times	\times

USAFETAC OCT 78 0-15.5 (OL A)

EXTREME VALUES

SNOW DEPTH

726625 ELLSWORTH AFB SD STATION NAME

43-45. 48-82

(FROM DAILY OBSERVATIONS)

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	: APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
43			* 3		* (* 3	* 0	3				J * 1	
44	* 13			* 0				0);	* 1	D • 5	
	* 5	• 5	* 4	* 1	į S) U	į	!		:			
48			! 	* j		0		L C) <u> </u>		1, 3,	
49	11	12			TRACE	. ·	j	į o	TRACE	i d		3	12
50	4	1	13	7	4	. 0	ن		<u>. </u>	5		1	1.3
51	1,	TRACE	8		į s	6			1			2 2	8
52	TRACE	4	5	TRACE	;	. 0	<u> </u>)	TRACE	1	
53	1	15	11	! 2	TRACE	נ י	J	C	J), 0	i ;	2 1 !	15
54	<u>2</u> j	1		1	1					6	1	2 6	1 <u>3</u>
55	2	10	4	2	ŭ		ວ	3	Ĺ			3	10
56	3	2		3	TRACE	٥		0	٥	TRACE	<u> </u>	5, 2	8
57	2	4	3	6	0	٥	٥		٥	TRACE	TRACE	TRACE	6
58	3	3	2	5	0	נֵי וְ	ن	Ų	a) 0		2 3	5
59	2	4	1	11	J	J	٥	ن	Ü	TRACE	10	1	11
60	اے	4	3	4	J	! ງ	3	٥	3	TRACE		2 3	4
61	2	2	2	3	j	J	٥	ن	TRACE			2	3
62	3	5	4	TRACE	ن	9	j	່, ວ່			TRACE	1	5
63	0	5	9	2	3	0	0	O	3		TRACE		9
64	2	S	5	2	l	i o	٥	g		ن	:	2 8	e
65	4	1	2	4	6	, o	Ü	Ü	2	J	(ו כ כ	6
66	3	7	8	10	Ü	່	٥	0	ű	1	} 4	. 5	10
67	2	3	3	0	13	j	J	3	3	j 3		2 4	10
68	5	3	o	.3	3	υ	J	أدا	J	ة ا		4	5
69	1	4	2	3		1	J	Ü	0	3		4	4
70	7	4	7	23	ā	3	٥	a	ប	3		5 5	23
71	9	1.3	6	4	3	ä	Ö		٥	6		3	13
72	2	4	2	TRACE	ä	a	ם	ان	ā	2		5 5	S
73	1	, 2	15		<u>. </u>	3	ū		٥	TRACE		4	15
74	1	Z	1	2	5	ď	a	0	Ü	i		ı il	2
MEAN		1000			-				كمديدة بزند سال				
\$. D.										 		1	
OTAL OSS.												+	

USAF ETAC AN M 046-5 (OLA)

EXTREME VALUES

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

726625 ELLSHORTH AFE STATION NAME

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	. JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
75 76	5 5	5	6				ני מ		Ü	TRACE			
77	م م		* 15								* 12		1
	8) 10	12	7 13	TRACE		, u	0 		ر ع				1 1
79			1	2	1		_				1	TRACE	
as I	2		<u> </u>	2			i		ລ		2		
81		3	TRACE	a	0					,	2	4	
82			8	5		i	0	,			ī		
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		·										····	
		i	1]				!	į		1	ļ	
i							i	i				i	
MEAN	J. H	4 9	4.9	3.7	A .	. >			1	1 . 1	2.0	3.1	A.
5. D.	2.653	3.616	3.976	4.752	1.977	995			.129	1.736	364		4.35
TOTAL OSS.	1109	1009	1111	4 4 9 4	1177		1139	1147	1110	1145	1101	1133	1343

US AIR FORCE
LIVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual all hours combined, (2) By month all hours combined, and (3) Ey month by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".O" in these tables represents one or more occurrences amounting to less than ".O5" percent.

Malues for means and standard Seviations do not include measurements from incomplete months.

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71 24 / 2

EXTREME VALUES

SURFACE WINDS

(FROM DAILY OBSERVATIONS)

726625 ELLSWORTH AFB SD STATION NAME

DAILY PEAK GUSTS IN KNOTS

MONTH	JAN.	FEB.	! MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL	
YEAR		<u> </u>	·							<u> </u>	<u> </u>		MONTH	15
49		:	:	i !		W 44N				JWNW + 54	NW 54	NW 62		
50	NNM 65	NNW 5	7N +78	NNW 56NA	W 58	<u></u>		NNW#48	NW 31	BWNH 55	+			
51		İ	İ			;			:	N +51	NW 65	NW #56		
52	NNW#30	NE +3	BNH #59	W *72WN	W448N	#69N	W #52	WSW#59	SSH#4	NN 45	NW 54	SM 56	🙀 :	*
53	WNW 54	NNW 4		WNW 57NY	47WA	IN 73S			NNW 5	SNW 46	WNW 54	w 54	MNW	•
54				NW SON			5 9	4			MNM 90		NNW	(
5 5	NW 6J	NW 5	8 WNW 59	NW 49WN	W 59N	49W	5W #43	WSW 59	SSE 48	3WNW 48	MNW 50	SH 57	NW	(
56			IWNW SC	W 45NA	W 375	45W	NW 47	SSW 63	NW 42	NNN 45	NW 53	NNW 50	S 5 W	(
57	NW 51	N 4	7NH 44	NNW 37N	45NN	W 51N	W 40	NNW 41	N 3!	SNNW 38	N 38	NW 49	NW	
58	NW 34	NNW 4	4N 32	NNW 38N		W 35W	40	NNW 35	NNH 40	WNW 48	NNW 61	NW 451	NNW	
59	NNW 46	NW 4	3NW 45	NNW 45N	43NN	¥ 42N	E 70	NH 42	NW 45	NW 52	NN 59	NNW 57	NE	
6ป	NNW 46	HNH 3	7NW 51	SH SONE	41N m	5 D S	SH 36	SSW 53	NW 36	NH 49	NH 49	NW 46	SSW	
61	NW 43	NNW 4	GNNW 38	WNW 49N M	37NN	W 39N	W 47	NNW 33	WNW 31	NH +38	NW +48	NW 53	NW	
62	NH 47	NW 4	7NH 44	NH 54MA	W 39 HN	W 55N	NW 31	NW 54	NW 46	NW 49	NH 45	NNW 55	MNM	
63	NH 52	NW 6	INNW 48	WSW 59NL	525 W	62N	NW 61	5 37	NW 34	NNW 35	NH 44	NW 52	SW	
64	W 44	NNW 4	6 NW 53	NH 69HN	W 43NN	W 525	E 53	NW 66	NW 76	NNW 62	NNW 58	NNW 52	NW	
65	NW 69	NNW 5	3NH 45	NH 44NH	51 SE	47N	¥ 58	WNW 39	NNH 40	WNW 53	NW +45	NW 42	NW	
66	WNW 58	NNW 3	4 NW 66	WNW 525	5 1 W	494	NW 53	NNW 48	NNW 36	NW 54	NW 45	NNW 51∥	NW	
67	₩ 65	NW 5	4NNW 41	NH 72NA	W 62N	4 2 N	39	NNW 36	NW 47	NW 56	NW 46	NW 54	NW	
68	NH 42	NW 4	1NW 45	NH 4655	E 48NH	533	2/ 41	27/ 42	34/ 48	32/ 50	32/ 44	34/ 59	34/	
69	29/ 59	29/ 3	729/ 53	32/ 5334	/ 5432	/ 402	8/ 60	33/ 45	33/ 44	33/ 50		31/ 54	28/	-
70	32/ 51			33/ 4631	/ 5035	,		32/ 43	34/ 63	32/ 53	31/ 57	34/ 52	34/	
71	30/ 49			33/ 5824	/ 5831							27/ 44	31/	
72	33/ 44	32/ 5	932# 48	17/ 4730	/ 5610	/ 387	1 37	33/ 37	33/ 42	35/ 40	33/ 46	34/ 44	32/	
73	33/ 43	35/ 3	835/ 56	13/ 4333			4/ 42	28/ 52				31/ 55	35/	
74	26/ 42	-		32/ 4128	/ 5435	/ 372	5/ 40	32/ 43			32/ 50	34/ 44	33/	
75	33/ 48			32/ 5219								32/ 44	25/	
76	32/ 54	34/ 5	533/ 57	19/ 4232	/ 6533	/ 5a3	1/ 38	32/ 46	33/ 37	, ,		32/ 57	32/	
77				34/ 4431			3/ 60					33/ 58	33/	
- 11	34/ 46	32/ 5	d33/ 40	32/ 5732	/ 5134	/ 58	7/ 41	12/ 47			33/ 50	32/ 49	34/	
MEAN					Total Series								tones - Transport of the	
5. D										1				
OTAL ORS.			+	 										

NOTES + (BASED ON LESS THAN FULL MONTHS)

S IBASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

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EXTREME VALUES

SURFACE WINDS

(FROM DAILY OSSERVATIONS)

726625 ELLSWORTH AFB SD STATION NAME

DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN.	İ	rea).	MA	R.	A	PR.	MA	Y	. ,	N.	'n	L .	AUC	3.	SEP		00	T.	NC		D	EC.	MONT	
79 83	32/	57	33/	46	33/	45	31/	45	32/	36	34/	48	34/	45	33/	57	33/	55	33/	47	31/	48	32/	43	32/ 33/	
81 82	31/32/	47	321	46	33/	40	34/	44	31/	43	32/	44	33/	51	32/	44	33/	44	32/	43	32/	52	32/	52	32/ 25/	
									 																	
																		-								
														 		_			-							
		+		-						1			····			\dashv										
																		_								
	········				- Control of the Cont						· · · · · · · · · · · · · · · · · · ·	_			····	-		_								
MEAN	51			.7		. 7		. Q		1 . 5		7 . 3		.9		•2		.4		.0		2.1	5	. 3	6	2.
S. D.	7.9	25	7.8	31	8.5	28	8.	355	7.6	50	8.0	1951	1 . 2	33	8.2	511	0.3	58	5.6	42	6.5	566	5.	515	6.	752

NOTES . (BASED ON LESS THAN FULL HONTHS)

BASED ON LESS THAN FULL MONTHS AND +100 KNOTS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLS	WORTH A	FB SO	H WAME			73-	82		YEARS				JAN BORTH
011,100		_				ALL WE	ATHER						0000	1-0200 H (L.B.T.)
		-				con	PITION							
	SPEED (KNTS) DIR.	1 - 3	4 · 6	7 10	11 - 14	17 - 21	22 - 27	28 · 33	34 - 40	41 - 47	48 - 55	≥#	*	MEAN WIND SPEED
	N	.9	1.5	1.9	2.4	1.6	1.2	.1					9.6	12.3
	HNE		. 6	.1									. 8	6.1
	NE	• 2	• 1										. 3	3.0
	ENE	.1	• 1	•2									- 4	5.3
[ŧ	.1	• 3	2									- 6	5.5
	ESE	1	. 3	.9	•1								1.3	8.1
[SE	. 6	• 6	1.0	1.1								3.3	7.9
	SSE	. 4	1.3	1.3	1.0	.2							4.2	8.1
	5	1.4	2.5	1.1	.6	1							5.7	6.1
į	85W	1.4	. 3										1.7	2.7
l l	\$W	1.1	1.1	. 3									2.5	3.9
i	WSW	. 9	2.3	1.0					;				4.1	4.9
1	W	4.6	4.3	1.5	6								11.1	4.6
	WNW	3.7	2.6	5	5	-1	3						7.7	5.4
į	NW	1.6	1.7	1.0	2.2	1.7	1.9		- 3				12.0	14.0
1	NNW	. 5	2.6	3.4	4.6	1.9	2.2		3	-1			16.5	14.2
[VARSL													
	CALM	$\geq \leq$	><	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$\geq \leq$	$>\!\!<$	$\geq \leq$	18.2	
		17.5	22.3	15.3	13.1	5.7	5.6	1.6	. 6	.1			100-0	7.5

TOTAL NUMBER OF OBSERVATIONS

£:

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625 STATION	ELLSWORTH AFB SD STATION MANE	73-82 YEARS	JAN
		EATHER	0300-0500 HOVES (L.S.T.)
	CO	Maition	

SPEED (KNTS) DIR.	1 . 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 54	*	MEAN WIND SPEED
н	. 8	1.4	3.4	3.5	1.2	. 9	.1					11.3	1146
NNE	• 2	• 9	.3	1						<u> </u>		1.5	6.1
NE		• 5										. 5	5.0
ENE	• 2	• 1	• 1	, 1					i			. 5	5.6
ę.	• 2	• 2										-4	3.
ESE		. 6	. 4	• 1	.1							1.3	a C
SE	• 2	1.1	. 5	1.0								2.8	8.4
88E	.4	. 6	1.4	1.1	. 1							3.7	9.0
\$	1.7	1.9	.8	. 3	• 2							4.9	5 . 8
\$\$W	1.1	. 9	• 1			-						2.0	3.7
\$W	1.3	, 8	• 2									2.3	3.6
WSW	1.8	2.6	. 5	• 1								5.1	4.
w	3.4	4.7	1.6	.6								10.4	4.5
WNW	2.8	2.9	1.0	. 5	. 5	. 1						7.8	6.0
NW	1.8	2.3	1.4	1.6	2.4	1.7	.6	. 8				12.6	14.6
NNW	• 5	1.8	2.3	3.3	2.2	2.5	4	.2	. 1			13.3	15.1
VARBL													
CALM		> <	> <	><	> <	><	> <	> <	> <	$\supset \subset$	> <	19.5	
	16.6	23.3	14.1	12.5	6.7	5.2	1.2	1.0	.1			100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 930

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH AFB SD STATION HANK	73-82 TEAMS	JAN MONTH
		ALL WEATHER	0600-0800
		COMPLICE	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPERO
N	.4	2.0	2.7	2.6	1.5	4	. 3					10.0	11.
NNE	. 3	• 2	1.2	•1								1.8	7.
NE	. 3	. 5	• 1									1.0	4.
ENE	• 2	• 3	. 4						l			1.0	6.
ŧ	• 5	• 1	• 1	.1								. 9	5.
ESE	• 3	• 2	. 5	.1							<u> </u>	1.2	••
SE	• 2	. 8	1.2	. 8	•1							3.0	
SSE	.9	1.4	1.1	1.1								4.4	7.
5	. 9	1.1	1.0	. 9								3.8	7.
55W	•8	. 5	• 2									1.5	3,
SW	.8	. 5	• 2									1.5	4.
WSW	2.2	1.6	1.0	. 3								5.1	5.
<u> </u>	4.0	4.8	. 8	.1								9.7	4.
WNW	3.4	1.9	. 3	- 5		1						6.5	4.
NW	2.0	2.7	1.1	4.2	2.3	. 9	1.2	5				14.8	13.
NNW	• 5	2.3	2.3	4.2	3,2	1.8	. 4	• 2			<u> </u>	14,9	14.
VARBL													
CALM	$\geq \leq$	$>\!\!\!<\!\!\!<$	><	\times	><	><	><	><	><	><	><	19.0	
-	17.7	21.1	14.1	14.9	7.2	3.2	1.9			Campany areas as a		100.0	7.

TOTAL NUMBER OF OBSERVATIONS 930

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72-625 ELLSNORTH AFB SD 73-82 YEARS ROATH

ALL WEATHER
CORDITION

CORDITION

SPEED (KNTS) 1 · 3 4 · 6 7 · 10 11 · 16 17 · 21 22 · 27 28 · 33 34 · 40 41 · 47 48 · 55 ≥ 56 % SPEED S

SPEED (KNTS) DIR,	1 - 3	4 - 6	7 - 10	31 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	• 5	1.6	2.6	4.8	1.7	1.0						12.3	12.
NNE	.2	. 3	• 2	. 1								. 9	6.
NE	. 2	• 1	. 4									. 8	6.
ENE	• 1	• 6	• 1									. 9	5.
E	.8	. 9	. 3	. 4								2.4	6.
ESE	• 6	• 5	• 5		• 1							1.8	5.
SE	.4	. 9	1.4	1.0	• 1							3.8	8.
SSE	• 9	1.7	1.9	1.3	• 3	• 1						6.2	8.
5	2.7	2.5	1.7	1.3	. 3							8.5	6.
85W	1.2	1.2	• 3									2.7	4.
\$W	.6	. 9	.3							1		1.8	4.
W\$W	1.8	1.1	. 4	• 3		• 2						3.9	5.
w	4.4	2.3	• 4	. 3								7.4	4.
WNW	1.3	. 8	•2	.4	• 3	. 2	•1					3.3	8.
NW	• 5	1.1	1.6	2.0	2.0	1.7	1.5	.5				11.1	17.
NNW	•6	1.1	3.0	4.1	2.2	3.3	.9	. 3				15.5	16.
VARBL												1	
CALM	>	> <	> <	><	> <	> <	\times	$>\!\!<$	$>\!<$	><	> <	16.9	
	17.0	17.4	15.6	16.1	7.1	6,6	2,5	.9				100.0	8.

TOTAL NUMBER OF OBSERVATIONS

930

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ELL	SWORTH					73-	82		YEARA				AN
	-	•TATIO	NAME		ALL WE	ATHER	<u>-</u>		<u> </u>			1200	-1400 (L.S.Y.)
					ton	BITION							
SPEED (KNTS) DIR.	1 · 3	4 · 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 · 40	41 - 47	48 - 55	≥54	×	MFAN WIND SPEED
N	1.1	2.9	3.5	5,9	1.4	2.3	. 4					17.5	12.6
NNE	.5	1.2	. 6	. 4	.1							2.9	6.7
NE	.6	.8	• 2									1.6	4.4
ENE	• 2	• 5	• 1	• 1								1.0	5.4
E	.6	1.0	• 8	• 1								2.5	5.5
ESE	.6	1.0	. 8	. 1								2.5	6.1
SE	.6	2.8	1.1	1.2	. 8	. 2						6.7	8.7
SSE	2.8	3.1	2.6	2.3	• 1	.8						11.6	7.9
5	2.0		3.5	. 8	• 2							8.9	6.6
SSW	. 5	. 5	• 1									1.2	3.9
sw	.9	1.0	• 2	• 2								2.3	4.8
wsw	. 4	• 1	. 4	. 3	•2							1.5	8,9
W	.4	. 4	. 3	• 2	•1	. 1	•1					1.7	9.2
WNW	.2			. 5	• 3	. 4	• 2					1.8	16.9
NW	. 4	. 3	. 8	1.1	2.6	2.5	1.0	. 5	,2			9.4	20.2
NNW	.2	. 8	2.0	5.2	4.7	3.3	2.4	. 8				19.4	18.6
VARBL	1												
CALM			\sim	><	><	\mathbf{X}	\sim	\sim	\sim		\sim	7.6	

100.0

930

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH AFB SD	73-82	JAN
STATION	STATION HAME	YEADS	MONTH
		ALL WEATHER	1500-1700 House (L.S.T.)
		CLA14	MOURS (L.S.T.)
		COMBITION	·

SPEED (KNTS) DIR,	1 - 3	4 · 6	7 - 10	11 - 14	17 - 21	22 · 27	28 - 33	34 · 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
Ŋ	.5	3.1	4.6	5,7	2.2	1.3	.2	.2				17.8	12.2
MME	.6	• 5	1.1	• 3								2.6	7.3
NE	• 5	• 2	. 4	• 2	•1							1.5	7.3
ENE	• 3	• 5	• 1	• 1								1.1	5.4
ŧ	1.1	• 8	•2									2.0	4.1
ESE	1.4	1.6	• 5	. 3								3.9	5.2
SE	1.0	2.6	1.0	1.8	• 3							6.7	7.9
858	•6	2.6	1.8	1.3	• 4	.6						7.4	9.8
8	2.2	3.2	2.2	.4	.1							8.1	5.6
SSW	1.0	. 6	•1		•1							1.8	4.4
sw	.4	• 3		.1	• 1							1.0	6.1
WSW	.3	• 2	. 3	. 5	• 2							1.6	9.5
w	.4	. 9	• 5	• 2	• 1	.2						2.4	8.
WNW	•4	• 3	• 5	. 5	.1	.4	• 2					2.6	13.2
NW		• 6	1.1	2.6	. 9	1.5	1.3					8.0	17.3
NNW	.4	1.0	3.1	5.3	3.8	3.5	1.6	• 3		• 1		19.1	17.1
VARBL	T												
CALM	$\supset <$	> <	> <	><	> <	><	> <	\times	$>\!\!<$	><	> <	12.5	
	11.3	19.1	17.6	19.5	8.4	7.6	3,3	• 5		• 1		100.0	10.0

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH USAFETAC 2

AIR WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH AFB SD	73-82	JAN
STATION	STATION NAME	YEARS	HONTH
		ALL WEATHER	1800-2000
		61/46	HOUGE (L.G.Y.)
	<u> </u>		
		COMBITION	

CALM	$\geq \leq$	$\geq \leq$	\times	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	16.5	
VARBL	_												
NNW	.4	2.4	3.3	4.4	3.0	2.2	. 8	• 3				16.8	14.
NW	1.1	2.8	2.2	1.2	1.7	2.4	1.2					12.5	14.
WNW	2.2	2.3	. 3	. 4	•1	. 3						5.6	6.
w	2.9	2.0	. 5	.6	. 3							6.5	5.
W\$W	• 3	1.1	• 3	. 3	. 1	. 1						2.7	7.
sw	• 9	. 9	• 2	. 2	• 1							2.3	5.
\$5W	.8	1.0										1.7	3.
3	2.0	2.9	.6	. 4	• 2	• 2						6.5	5.
SSE	1.1	1.5	1.2	1.5	• 6	. 3						6.2	9.
SE	1.1	. 6	1.0	1.3	• 1							4.1	8.
ESE	• 3	. 4	• 5	• 1								1.4	5.
E	• 2	• 3	•1									.6	4.
ENE	•1	• 1		.1								• 3	7.
NE	•1	• 5	•2									. 9	6.
NNE	, 4	• 3	1.0	• 2								1.9	7.
N	• 5	1.7	3.9	4.4	2.2	.9	.1					13.7	12.
SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEA WIN SPEE

TOTAL NUMBER OF OBSERVATIONS 930

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLS	WORTH A	AFB SD				73-	-82						JAN
STATION			STATIC	N MAME						VEA 86				HONTH
						ALL WE	EATHER						2100	-2300
		-				C	LAM				 -		10001	8 (L.S.T.)
						COI	PITION							
		_												
	SPEED (KNTS)	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥ 54	*	MEAN WIND

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	40 - 55	≥54	*	MEAN WIND SPEED
N	. 4	2.4	2.5	2.9	2.0	.6	.8					11.6	12.
NNE	• 2	1.2	1.1									2.5	6.
NE		• 3	• 3			,						.6	6.
ENE	• 1	. 4	•1								···	.6	5.
E	•1	• 3										. 4	4.
ESE	•1		. 3									. 4	6.
SE	.5	• 5	1.6	1.0	•1							3.8	8.
SSE	.4	1.3	1.2	1.5	• 3	. 8						5.5	11.
s	1.7	2.0	1.3	.6	.5	- 1						6.3	7.
SSW	1.1	• 6	• 1									1.8	3.
SW	.9	. 8		• 1								1.7	4.
WSW	1.4	1.7		. 4								3.5	5.
w	4.8	4.5	1.3	. 5	• 3							11.5	4.
WNW	2.5	1.8	. 4	.9	• 4	• 3		•1				6.5	7.
NW	1.6	3.2	1.9	2.0	1.8	1.3	• 8					12.7	11.
NNW	.4	1.7	2.4	4.1	1.8	2.2	. 9	. 4				13.9	15.
VARBL													
CALM	><	><	><	\searrow	> <	$>\!\!<$	$>\!\!<$	\searrow	$>\!\!<$	> <	> <	16.6	
	16.3	22.9	14.5	14.1	7.4	5.3	2.4	.5				100.0	8.

TOTAL NUMBER OF OBSERVATIONS 930

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSW	ORTH	AFB	SD								73-	-8;	!										JAI	N	
STATION				STATIO	NAME					_								PEARS					 	HON	YM	_
								AL	L	WE	ATH	ER												ALI	L	
		•								£1	A86												HO	URS (I	L. S. Y.)	_
										444	415151									 _						
										CONT	SITION															
Γ	SPEED (KNTS)	1 • 3		- 6	7 - 10	,,	- 16	٦,	. 2		22 .	27	,	8 · 33	T	34 .	40		. 47	4	. 55	≥56	*		MEAN]

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	•6	2.1	3.1	4.0	1.7	1.1	• 3	•0				13.0	12.3
NNE	• 3	• 7	.7	• 2	Ü							1.9	6.7
NE	• 3	. 4	• 2	• 0	• 0							. 9	5.7
ENE	• 2	• 3	• 1	•1								. 7	5.5
ŧ	• 5	• 5	. 2	• 1								1.2	5.1
ESE	. 4	• 6	• 6	• 1	• 0							1.7	6.3
SE	.6	1.2	1.1	1.1	• 2	.0						4.3	8.3
SSE	.9	1.7	1.6	1.4	• 3	_ • 3						6.2	8.8
\$	1.8	2.3	1.5	.7	• 2	•0						6 • 6	6.3
SSW	1.0	•7	• 1		.0							1.8	3.7
sw	.8	. 8	. 2	• 1	•0							1.9	4.5
WSW	1.2	1.3	. 5	• 3	• 1	•0						3.4	5.7
w	3.1	3.0	. 9	. 4	• 1	•0	•0					7.6	5.0
WNW	2.1	1.6	. 4	.6	. 3	. 3	•1	.0				5.2	7.1
NW	1.1	1.8	1.5	2.1	1.9	1.7	1.0	. 3	•0			11.6	15.0
NNW	. 5	1.7	2.7	4.4	2.8	2.6	1.0	.4	•0	•0		16.2	15.9
VARBL													
CALM	><	> <	\ge	\times	> <	$>\!\!<$	$\ge <$	$\ge $	$\ge $	$>\!\!<$	$\geq \leq$	15.8	
	15.5	20.7	15.5	15.5	7.7	6.2	2.4	•7	•1	.0		100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 7440

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH AFB SD	73-82		FEB
STATION	STATION MANE		YEARS	MONTH
		ALL WEATHER		0000-0200
		CLASS		HOURS (L.S.T.)
		CARRIERA		

	19.1	22.2	18.0	14.0	7.2	3.0	1.9	. 2				100.0	7.
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	>>	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$		>>	14.4	
VARBL													
NNW	. 8	2.0	3.3	3.9	2.5	1.2	. 6					14.3	13.
NW	1.9	1.7	1.4	2.0	2.5	1.5	. 9	. 1				12.1	14.
WNW	2.7	3.6	1.2	. 4	, 5		.1					8.4	6,
w	6.3	4.3	2.0	. 5	• 2							13.3	4.
WSW	1.7	1.9	• 5	• 1		I.						4.1	4,
sw	. 9	• 7										1.7	3.
\$5W	1.1	. 7	• 2	• 2								2.2	4.
5	1.4	1.1	1.7	.7	• 2		• 2	• 1				5.4	8.
SSE	. 4	• 9	2.0	1.9	. 8	• 1						6.2	10.
SE		. 8	.7	. 8	• 1							2.5	9.
ESE	• 1	• 5	.7	. 5								1.8	8.
E	.6	•2	•2									1.1	3.
ENE		• 6	•2							,		. 8	5.
NE	.6	• 5	. 5	•1								1.7	5.
NNE		• 5	. 4	.4								1.2	8.
N	• 6	2.4	3.0	2.5	. 4	• 1						8.9	9.
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAI WINI SPEEI

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH AFB SD	73-82	FEB
STATION	STATION HAME	YEARS	EJN7H
		ALL WEATHER	0300-0500
		CLASS	Houss (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
н	.6	2.8	2.7	1.1	.7	• 5						8.4	9.2
NNE	• 2	• 6	. 5	.1								1.4	6.3
NE	• 1	• 1	1.2									1.4	7.1
ENE		.5	• 5									.9	6.4
ŧ	.4	•1	.6	•1								1.2	6.8
ESE	.6	. 4	. 5	.6								2.0	6.8
SE	.4	1.3	.7	1.2								3.5	8.4
SSE	• 5	• 5	1.3	.9	. 8	. 2						4.3	11.1
\$	1.3	1.5	. 8	1.1	.1	• 5		• 1		T		5.4	8,9
SSW	.5	•6										1.1	3.2
SW	.7	. 8	• 1									1.7	3,4
W&W	1.7	2.0	.6	.1								4.4	4.5
W	5.9	5.3	1.7	.6	•1							13.6	4.5
WNW	2.7	2.5	1.2	. 4	• 1	. 1	-1					7.1	5.7
NW	2.4	2.0	1.5	2.5	1.3	.6	.5	• 1				10.9	10.9
NNW	.9	1.4	3.1	3.6	3.8	2.6	. 8	. 1				16.5	15.1
VARBL													
CALM		\times	> <	><	$>\!\!<$	$>\!\!<$	> <	><	$\geq <$	$\geq \leq$		10.2	
	18.8	22.5	16.9	12.4	7.0	4,5	1.9	. 4				120.0	7.5

TOTAL NUMBER OF OBSERVATIONS 846

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625 ELLSWCRTH AFB SD STATION MANE 73-82 WEATHER

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	. 8	1.9	1.9	1.5	. 9	• 7						7.8	10.
NNE	• 1	• 2	.7	• 1								1.2	7.
NE	• 1	• 5	•2									. 8	5.
ENE		• 6	. 8	•1								1.5	7.
E	• 5	• 8	. 4	.5								2.1	6.
ESE	. 4	• 8	. 4	.4	• 1							2.0	7.
ŞĒ	• 2	1.5	.4	.4								2.5	6.
SSE	. 9	1.2	1.4	1.9	• 5	•1						6.0	9.
5	.5	1.1	1.5	.6	•1	• 5						4.3	9.
\$SW	.7	• 4	• 2									1.3	4.
SW	.7	1.2	• 5									2.4	4.
WSW	2.2	2.8	. 5	.1								5.7	4.
w	4.5	5.7	.9	•1	• 1							11.3	4.
WNW	2.4	2.8	.6	.7		• 2						6.7	5.
NW	1.8	1.5	2.0	2.6	1.4	• 8	• 5	. 5				11.1	12.
NNW	.4	1.2	2.5	4.4	3.2	3.3	1.2					16.1	16.
VARBL													
CALM	\boxtimes	> <	\times	> <	><	$\overline{}$	\times	\times	$\supset \subset$	><	> <	17.1	
	16.2	24.2	14.9	13.4	6.4	5.7	1.7	. 5				100.0	7.

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH AFB SD	73-82		FEB
STATION	STATION NAME		YEARS	MONTH
		ALL WEATHER		0907-1100
		CLASO		HOURS (L.S.Y.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 · 40	41 · 47	49 - 55	≥56	*	MEAN WIND SPEED
N	• 5	2.4	2.6	3.3	1.1	• 9	•1					10.9	11.
NNE	•1	.7	.6	.1								1.5	6.
NE	• 2		• 6									.8	6.
ENE	•1	• 2	•1									• 5	5.
ŧ	1.2	• 9	. 6	. 4	!							3.1	5.
ESE	• 9	• 8	• 5	•2	. 1					i		2.6	6.
SE	.9	. 9	1.2	• 6	.4							4.0	7.
SSE	1.3	1.3	2.0	2.1	1.4	• 2						8.4	10.
\$	1.5	2.4	1.3	. 6	• 1	• 1						6.0	6.
55W	1.1	. 4	• 2									1.7	3.
\$W	.9	. 8	• 2									2.0	4.
WSW	1.5	1.3	. 4									3.2	4.
w	1.4	2.0	• 2		• 1							3.8	4.
WNW	. 6	. 4	• 6	• 5	• 1	• 2	• 2					2.6	11.
NW	.9	. 8	1.8	2.8	1.5	3.0	, 8	. 6				12.3	16.
MNW	•2	1.8	2.7	4.5	5.0	4.1	1.9	.6				20.8	17,
VARSL													
CALM	$\supset \subset$	$>\!\!<\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	><	><	15.7	
	13.6	17.2	15.6	15.1	9.8	8.6	3.1	1.2				100.3	9.

SHOITAY SECURE SECURE

845

USAFETAC FORM 0-8-5 (OL-A). PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

41.

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH AFB SD	73-82	YEARS	FEB
		ALL MEATHER		1200-1400 HOURS (L.E.T.)
		CONSITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
И	. 8	2,2	4.3	6.4	1.9	1.2	, 4					17.1	12.
NNE	• 5	1.1	.7	. 4								2.6	6.
NE	• 5	1.1	• 5	• 2								2.2	6.
ENE	• 7	• 4	• 1	• 1								1.3	4.
E	1.3	2.2	. 8	. 4								4.7	5.
ESE	.7	• 6	.2		• 2							1.8	6.
\$E	1.2	1.7	1.2	1.7	. 4							6.0	8.
SSE	1.1	3.1	3.2	4.3	.7	1.1						13.4	10.
S	1.2	2.8	.8	1.1	•1	.2						6.3	7.
\$5W	.8	, 5	.1									1.4	3.
SW	• 1	• 1										• 2	4.
WSW				•2								.2	15.
w	•1	•1	• 1	•1	• 1							.6	10.
WNW	• 5		. 4	• 2		• 5	•1					1.7	13.
NW	. 4	.1	. 9	1.9	2.4	2.5	.7	•7				9.6	19.
NNW	. 4	1.8	2.0	5.0	5.6	5.2	2.0	.7	!			22.6	18.
VARBL												1	
CALM	><	> <	$>\!\!<$	$>\!\!<$	\times	$>\!\!<$	> <	\times	$>\!\!<$	><	> <	8.3	
A. 3.	10.2	17.7	15.4	21.9	11.3	10.6	3.2	1,4			<u> </u>	100.0	11.

TOTAL NUMBER OF OBSERVATIONS

ELLSWORTH AFB SD

726625

41

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-82

							1500	1-17: 8 (L.8.7					
	-				COL	BIT ISA				1			
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	17 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEA WIR SPEI
N	• 6	1.8	5.8	7.7	2.4	•8	.1					19.1	12
NNE	.8	2 / 1	2.1	1.1								6.0	7
NE	• 6	. 8	. 9	• 1								2.5	6
ENE	•1	.7	• 2									1.1	4
ŧ	.7	100	1.7	•1								4.0	6
ESE	. 4	1.7	1.2	.5								3.7	7
SE	1.1	. 9	2.8	1.9	• 5							8.2	8
55E	1.1	2.6	2.8	1.8	. 9	• 2						9.5	9
5	2.2	2.5	• 9	. 5	• 1	•1						6.4	5
SSW	• 6	• 7	. 1									1.4	3
SW !		• 1	. 2	• 1								. 5	8
W:\$W	.1	• 1	• 2	• 2	• 1							. 8	10
w	8	• 1	. 2	• 2	• 1			•1				1.7	8
NAMA	• 1	• 2	• 2	. 4	.7	• 2	• 1					2.0	14
197.4	.4	• 2	.6	1.7	2.4	1.4	1.2	•1				7.9	18
MNM	, 4	. 9	1.7	3.9	3.4	3.7	1.2	.5	•1			15.7	18
VARBL													
CALM	$\geq \leq$	$\geq \leq$	$>\!\!<$	$\geq \leq$	> <	> <	$>\!\!<$	><	$\geq \leq$	><	$\geq \leq$	9.6	
	9.9	18.0	21.9	20.1	10.6	6.5	2.6	.7	.1			100.0	10

SHOTAL NUMBER OF OBSERVATIONS 846

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ELLSWORTH AFB SO 1800-2000

SPEED (KNTS) DIR.	1 · 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 33	3440	41 - 47	48 · 55	≥54	*	MEAN WIND SPEED
N	.4	1.9	3.8	3.7	1.4	-4						11.5	11.
NNE	• 2	1.5	.6	.5	-1							3.0	7.
NE	.2	. 6	• 5								[1.3	5.
ENE	-7	.6	•1									1.4	3.
		. 8	1.2							Ī		2.1	6.
282	-4	1.1	1.3	.4								3.1	6.
SE	.7	2.0	1.7	. 8	. 5							5.7	ı.
SSE	1.2	1.4	1.1	. 8	. 9	•1						5.6	9.
\$	1.8	2.0	1.3	.5			·					5.6	5.
88W	1.3	• B	.1									2.2	3.
\$W	1.2	1.2	.1									2.5	3.
WaW	1.9	. 8	.5	.1				-	1			3.3	4.
w	3.1	1.9	.5	• 2								5.7	4.
WNW	2.5	2.5	. 8	.4	•.1	.4			1	1		6.6	6.
NW	.9	1.4	2.1	2.4	13	11	.6				1	9.8	12.
NHW	.5	1.4	4.3	3.2	2.4	1.2	• 5	•1				13.5	13.
VARAL											<u> </u>		
CALM		> <	> <	> <	><	> <	>>	\geq	\times	> <	>><	17.3	W. C. C. C. C.
· · · · · ·	17-0	22.0	19.9	12,9	6.7	3.1	1.1	•1				100.0	7.

TOTAL NUMBER OF OBSERVATIONS

USAFETRIC BORN 0-8-5 (DL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

120025	CET 2MOKIH MAR 20	/3~82	
STATISM	STATION NAME	TEAM	MONTH
		ALL WEATHER	2100-2300 HOURS (L.S.T.)
		CLARIE CLARIE	HOURS (L.S.T.)
		COMPITION	

SPEED (KNTS) DIR,	1.3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 54	*	MEAN WIND SPEED
N	• 7	. 8	2.8	3.0	.7	.5						8.5	11.
NHE	• 1	• 5	. 8	. 4								1.8	7.
NE		. 4	•1									.5	6.
ENE	. 4	.5	.5	.1								1.4	6.1
E	.1	.7	• 2									1.1	5.
ESE	•1	.6	.9	. 4						<u> </u>		2.0	7.0
SE	• 5	.8	.9	1.3								3.5	8.
SSE	.7	1.1	1.7	2.0	. 9	•1						6.5	11.
5	1.5	2.7	1.4	. 6		.1	•1					6.5	6.
55W	1.1	.9	.5	.1						T		2.6	4.
\$W	.6	1.1	.4					 				2.2	4.1
WSW	1.7	1.5	.6	• 1								3.9	4.
w	4.0	5.4	1.4	. 4	.1							11.3	4.1
WNW	3.0	2.6	. 8	.7	• 2	.4						7.7	6.
NW	1.7	2.6	1.5	2.7	2.4	1.3	•2	•1				12.5	12.
NNW	- 5	1.7	1.9	2.8	1.9	1.4	.4					10.5	14.0
VARBL										·		#	
CALM		> <	\sim	> <	><	\times	>	><	> <	>	>>	17.4	h
	16.8	23.9	16.5	14.5	6.3	3.8		.1				100.0	7.

TOTAL NUMBER OF OBSERVATIONS 846

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH AFB SD	73-82	FEB
STATION	STATION HAME	YEARS	MONTH
		ALL WEATHER	ALL
		(LAM)	HOURS (L.S.T.)
			_
		COMBITION	•

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 · 27	20 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MRAN WIND SPEED
N	• 6	2.0	3.4	3.6	1.2	•6	• 1					11.5	11.
HNE	• 3	• 9	. 8	. 4	•0		L					2.3	7.
NE	. 3	• 5	.6	• 1								1.4	6.
ENE	• 3	. 5	.3	• 0								1.1	5.
E	•6	. 9	.7	• 2								2.4	5.
tst	. 4	. 8	.7	. 4	• 1							2.4	7.
SE	.6	1.4	1.2	1.1	• 2							4.5	8.
85E	. 9	1.5	1.9	2.0	. 9	. 3						7.5	10.
3	1.4	2.0	1.2	.7	• 1	• 2	•0	•0				5.7	7.
SSW	. 9	• 6	• 2	•0								1.7	3.
SW	.7	. 8	•2	•0								1.6	4.
WSW	1.3	1.3	. 4	•1	•0							3.2	4.
w	3.3	3.1	.9	•3	•1			•0				7.7	4.
WMW	1.8	1.8	.7	. 4	• 2	• 3	• 1					5.4	7.
NW	1.3	1.3	1.5	2.3	1.9	1.5	•7	• 3				10.8	14.
NNW	•5	1.5	2.7	3.9	3.5	2.8	1.1	.3	•0			16.3	16.
VARBL													
CALM	\times	><	\mathbb{X}	\times	><	$>\!\!<$	$>\!\!<$	\times	\times	\searrow	> <	14.5	
	15.2	21.0	17.4	15,5	8.2	5.7	2.0	.6	• 0			100.0	8.

TOTAL NUMBER OF OBSERVATIONS 6766

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH AFB SD	73-82	MAR
BYATION	STATION NAME	YEARS	Meath
		ALL WEATHER	0000-0200
		¢LAS6	HOURS (L.B.T.)
		CONSITION	

SPEED (KNTS) DIR,	1.3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 · 47	49 - 55	≥56	*	MEAI WIND SPEED
N	. 3	1.9	2.0	2.6	. 8	• 2	•1	.3				8.3	11.
NNE	• 2		. 6	. 3	• 2							1.4	9.
NE		• 1		• 1								• 2	11.
ENE		. 3										. 3	4 •
E	. 6	1.0	. 8	• 2								2.6	5.
ESE	.5	. 8	1.4	• 3		• 1						3.1	7.
SE	1.1	1.5	1.6	1.2	• 2	• 1	• 1					5.8	8.
SSE	1.1	3.0	2.3	2.3	. 6							9.2	8,
8	1.2	4.1	2.4	1.4	. 8							9.8	7,
85W	. 9	1.0	1.2	• 1								3.1	5.
\$W	. 8	1.3	• 2	• 2								2.5	5,
WSW	1.7	2.4	. 8	• 1	.1		• 1					5.2	5.
W	2.7	3.2	1.5	• 5	• 1							7.7	- 5.
WNW	1.7	2,5	1.1	• 2	. 1	• 2						5.8	5.
NW	. 3	1.6	1.7	1.5	• 2	, 5	• 2	. 5				6.7	13.
NNW	• 6	1.6	3.3	4.3	3.0	1,6	.8	• 5				15.8	14.
VARBL													
CALM	><	$>\!\!<$	> <	><	><	> <	$>\!\!<$	> <	\times	> <	> <	12.5	
***************************************	13.8	26.2	20.9	15.1	6.1	2.8	1.3	1.9				100.0	8.

TOTAL NUMBER OF OBSERVATIONS 930

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH AFB SD	73-82		MAR
STATION	STATION HAME		YEARS	HTHOM
		ALL WEATHER		0300-0500 HOVAS (L.S.Y.)
		#01716#0D		

CALM						\sim			\sim		\sim		
VARBL					$\overline{}$			$\overline{}$	<			15.2	
NNW	.2	1.2	3.5	5.8	2.0	1.9	1.4	. •				16.6	15.
NW	.9	1.6	1.9	1.6	. 8	. 5	1.1	. 2				8.6	13.
WNW	1.9	2.3	• 3	.5	•2	• 1						5.4	5.
w	3.4	4.2	1.6	.2								9.5	4.
WSW	1.7	3.3	• 5	. 2			• 3					6.1	6.
SW	• 5	• 8	. 4									1.8	4.
\$\$W	• 3	• 5	• 1									1.0	4,
8	1.2	2.5	2.4	• 5	• 5	. 2						7.3	7.
552	• 8	1.8	2.0	2.7	. 8	• 1						8.2	9.
SE	• 8	1.8	1.6	.9	• 3	• 2	• 1					5.7	8.
ESE	• 1	• 3	1.2	.3								1.9	8.
ŧ	• 5	• 3	. 6	•1								1.6	5.
ENE		•1	. 4									. 5	7.
NE		. 4	• 1									. 5	5.
HNE	•2	. 4	• 3	• 3								1.3	7.
N	• 3	1.7	2.4	2,2	1.5	• 3	• 3	• 1				8 . 8	12
SPEED (KNTS) DIR.	1.3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	26 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEA WIN SPEE

TOTAL NUMBER OF OBSERVATIONS 930

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH AFB SD	73-82 YEARS	MAR MONTH				
	ALL WEATHER						
		COMBITION					

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥#	*	MEAN WIND SPEED
N	.4	1.9	3.2	3.2	1,6	• 5		•2				11.2	11.
NNE	.3	. 8	1.1	.1								2.3	6.
NE.	• 1	• 2	• 3									•6	6.
ENE	•1	• 1	•1									• 3	4.
Ł	. 3	. 3	• 6									1.3	6.
ESE	. 2	• 6	. 7	• 5								2.3	8.
SE	. 4	1.0	1.1	1.4	. 4							4.3	9.
SSE	. 9	1.9	3.2	2.3	. 9	• 1						9.3	9.
\$	1.5	1.8	1.9	1.4	. 4	• 3						7.4	8.
35W	1.0	• 5	. 3									1.8	4.
SW	. 8	. 4	• 5									1.7	4.
WSW	1.9	2.9	• 3		• 1	, 2						5.5	5.
w	2.0	4.1	. 1.5	. 1								7.8	5.
WNW	1.9	1.9	. 9	. 6		•1	• 2					5.7	6.
NW	. 9	2.3	1.5	. 9	1.4	2.4	. 8	• 2				10.2	14.
NNW	•6	. 4	1.3	5.3	1.8	2.4	1.4	.9				14.1	17.
VARBL													
CALM	\times	$>\!\!<$	\times	$>\!\!<$	><	><	><	\times	> <	><	> <	14.2	
	13.5	21.3	18.8	15.8	6.7	6.0	2.4	1.3				100.0	9.1

TOTAL NUMBER OF OSSERVATIONS 929

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH AFB SD	73-82	MAR NONTH
	***************************************	ALL HEATHER	0900-1100 HOVES (C.E.T.)
		COMPLYION	

	8.1	14.7	20.5	23,9	12.7	8.7	2.5	2.0				100.0	11.
CALM	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	><	$>\!\!<$	$\geq \leq$	$\geq \!$	$>\!\!<$	><	\times	6.9	
VARBL													
NNW	. 3	• 9	2.6	4.6	4.9	3.2	1.1	. 9				18.5	17.
NW	. 4	.4	1.2	2.0	1.7	2,2	1.1	. 8				9.8	19.
WNW	. 3	. 2	.3	. 8	•1	. 5	•1	. 1				2.5	14.
w	. 4	, 4	. 3	. 3	. 3	•1						1.9	9.
WSW	• 5	• 2	. 4	. 4		• 1						1.7	8.
SW:	.4	. 4		•2								1.1	5.
85W	• 3	• 3	.4		•1							1.2	6.
5	1.1	2.4	2.2	1.3	1.4	1.0	•1					9.4	10.
SSE	. 3	2.0	5.1	4.4	1.3	.8	•1					14.0	11.
SE	1.2	1.9	2.3	1.2	• 3							6.9	7.
ESE	, 4	. 9	.9	.9	•2							3.2	8.
E	.5	.5	5 م	.1								1.7	5.
ENE	•2	• 4	.1									.8	4.
NE	.1	.3	• 2	.1								.8	6.
NNE	.6	.9	.9	1.2								3.5	7.
и	.8	2.5	3.2	6.3	2.3	• 9		. 3				16.2	12.
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 54	*	MEA WINI SPEE

TOTAL NUMBER OF OBSERVATIONS 930

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ELLSWORTH AFB SD

SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

1200-1400

930

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ALL WEATHER

73-82

					CON	BITION							
	_												•
				·									,
SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 · 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 54	*	ME WI SPI
N	1.0	1.5	3.7	6.2	3,4	1.0		• 2				17.0	13
NNE	• 2	1.2	1.3	1.0	•1							3.8	8
NE	.6	1.3	• 5	• 1								2.6	5
ENE	• 2	• 6	. 4									1.3	5
ę.	• 3	1.2	. 1	. 2								1.8	5
ESE	• 4	1.4	2.0	1.0	• 2	• 2						5.3	8
SE	. 5	. 8	2.3	2.5	. 9							6.9	10
55E	1.1	1.2	2.4	4,4	2.5	1.0	• 1					12.6	12
5	1.0	1.5	1.2	2.2	1.1	1.4	. 3					8.6	13
ssw	• 2	• 1		• 3								6	8
sw	• 1	• 1	.5	• 1	.3							1.2	10
WSW			. 2	. 5	-1	•2						1.1	15
w	• 2	• 1	. 3	. 6	. 4							1.8	13
WNW	•1	• 1	. 2	. 6	. 2	.6	• 2	•1				2.3	18
NW	•2	. 9	.6	1.2	1.8	1.4	1.1	. 6				7.8	19
NNW	. 4	. 9	1.7	5.5	7.0	3,7	1.6	. 9				21.6	18
VARBL													
CALM	><	><	$>\!\!<$	$>\!\!<$	><	><	><	><	><	><	><	3.8	
	6.7	12.8	17.5	26.5	10.1	9.6	3.3	1.5				100.0	13

30428

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625 ELLSWORTH AFB SD 73-82 MAR
STATION STATION NAME VEARS VEARS RORTH
ALL WEATHER 55/J-1700
CLASS CLASS

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	2.46	1	MEAN WIND SPEED
N	. 5	1.3	5 • 1	6.9	3.0	1.0	.2	. 3				18.3	13.
NNE	• 1	1.0	1.6	1.2	. 2							4 - 1	9.
NE	+4	• 9	. 8	•1								2.2	6.
ENE	. 4	1.6	• 5	•1								2.7	5.
ŧ	. 9	1.6	. 8	.6								3.9	6.
ESE	.4	1.2	2.3	1.1	• 1							5.1	8.
SE	• 6	. 8	1.6	2.8	. 3	•1						6.2	10.0
SSE	. 8	1.6	3.0	4.7	. 8	. 3						11.2	11.
\$.9	1.3	1.1	2.0	1.1	• 6						7.0	11.
55W	• 1	• 5	• 3	• 5	• 1	• 1						1.7	10.0
\$W	. 4	•1	• 5	•2								1.3	7.0
WSW	• 1	• 3	. 5	. 6	• 2							1.8	10.
W	. 5	. 3	. 4	. 5	. 4							2.3	9.
WNW	.1	• 3	• 3	. 5	. 3							1.6	10.0
NW	•1	. 6	• 2	1.8	1.3	1.8	.5	. 3				6.8	18.9
NNW	•1	• 5	1.9	5.2	5.3	4.7	1.2	.6				19.6	18.6
YARBL													
CALM	$\supset <$	> <	> <	$>\!\!<$	> <	><	><	> <	> <	$>\!\!<$	> <	4.4	
	6.6	14.0	21.0	29.0	13.1	8.7	1,9	1.3				100.0	12.

TOTAL NUMBER OF OBSERVATIONS

930

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH AFB SD	73-82	MAR
STATION	STATION HAME	YEARS	MONTH
		ALL WEATHER	1800-2000
		CLASS	HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	. 3	2.3	3.5	4.7	1.3	•6	.8	, 3				13.9	13.2
NNE	. 3	1.3	1.2	. 8								3.5	7.7
NE	. 3	1.1	1.1	• 2								2.7	6 . 8
ENE	. 3	1.6	• 5									2.5	5.4
E	. 5	1.8	1.4									3.8	5.8
ESE	.8	1.4	1.7	1.6								5.5	8.2
\$E	1.5	1.6	3.0	1.2	. 4							7.7	7.9
858	1.3	2.3	2.6	1.8	. 4							8,4	8.1
	. 5	1.2	2.7	1.3	• 6							6.3	9.0
\$5W	.9	. 9	. 4									2.2	4.8
\$W	1.1	. 6	. 3									2.0	3.8
W\$W	• 5	. 9	. 3	• 1								1.8	4.9
W	1.1	1.3	. 5		•1							3.0	5.3
WNW	. 4	1.8	. 4	. 4								3.1	6.4
NW	. 8	1.5	2.8	1.4	1.1	• 6	. 3	1	• 2			8.8	12.5
HHW	• 1	1.7	3.0	4.8	3.1	1.3	.6	. 3				15.1	14.9
VARBL													
CALM	\times	\times	><	><	><	><	><	><	><	\ge	$\geq \leq$	9.7	
	10.0	23.2	25.6	18.4	7.1	2.6	1.7	. 8	. 2			100.0	8.9

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH AFR SO	73-82	MAR
STATION	STATION NAME	YSARS	MONTH
	ALL	WEATHER	2100-2300
		CLASA	HOURS (L.S.T.)
		COMBITION	

SPEEL (KNTS) DIR.	1 - 3	4 - 5	7 - 10	11 - 16	17 - 27	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 5	1.8	3.0	2.5	1.0	• 3	•1					9.2	10.
NNE	- 1	•	• 1	. 3		,						1.0	7.
NE	.4	• 2	• 5	.1								1.3	5.
ENE	• 5	• 5	• 2									1.3	4.
E	•8	• 5	1.0	. 2								2.5	6.
ESE	.6	. 8	• 6	.6								2.7	7.
SE	• 5	1.9	1.7	1.4	• 2	• 2						6.0	8.
SSE	2.0	2.7	3.2	1.6	. 4							10.0	7.
5	1.9	3.2	3.0	1.1	• 2							9.5	6.
SSW	1.0	. 8	•1									1.8	3.
\$W	. 5	1.1	•2	. 2					<u> </u>	1		2.0	5.
WSW	1.8	2.2	. 5	. 2								4.7	4.
w	2.5	2.5	.4	. 3								5.7	4.
WNW	1.3	2.0	. 5	.3								4.2	5.
NW	.5	1.5	3.0	2.5	1.0	• • •	•2	• 3				9.9	12.
NNW	. 4	1.3	4.2	4.2	2.4	2.3	. 2	.9				15.8	14.
VARBL													
CALM	><	><	> <	> <	> <	><	> <	$\overline{}$	$\overline{}$		> <	12.4	
· ·	15.6	23.4	22.5	15.6	5.2	3.7	.5	1.2				100.0	7.

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLS	WORTH A						MAR						
STATION	STATION MANE ALL WEATHER CLASS												ALL HOURS (L.S	
	CONDITION													
	SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
	N	.5	1.9	~ 3.3	4.3	1.9	• 6	• 2	• 2				12.9	12.5
	NNE	.3	.7	.9	.6	• 1							2.6	8.2
	NE	• 3	.6	. 4	• 1								1.4	6.2
	ENE	• 2	•7	• 3	•0								1.2	5.2
	Ę	.6	. 9	.7	. 2								2.4	5.9
	ESE	.4	• 9	1.4	. 8	• 1	• 0	Ĺ					3.6	8.2
	\$E	. 8	1.4	1.9	1.6	. 4	.1	• 0					6.2	8.9
	85E	1.0	2.1	3.0	3.0	1.0	• 3	•0					10.4	10.0
	\$	1.2	2.2	2.1	1.4	. 8	. 4	• 1					8.2	9.3
	\$5W_	.6	• 6	. 4	. 1	.0	.0						1.7	5.8
	\$W	.6	• 6	. 3	•1	•0						L	1.7	5.5
	WSW	1.0	1.5	. 5	. 3	• 1	• 1	• 1			ļ <u></u>		3.5	6.3
	W	1.6	2.0	.8	. 3	• 2	.0						5.0	5.8
	WNW	1.0	1.4	• 5	.5	• 1	• 2	.1	.0				3.8	7.8
	NW	• 5	1.3	1.6	1.6	1.2	1.3	.7	. 4	.0			8.6	15.4
	WHM	, 4	1.1	2.7	5.0	3.7	2.6	1.0	,7				17.1	16.8
	VARBL													
	CALM	><	><	><	><	><	><	$>\!\!<$	><	$>\!\!<$	><	><	9.9	

TOTAL NUMBER OF OBSERVATIONS 7439

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH AFB SD	73-82	APR
BTATION	STATION HAME	YEADA	NONTH
	ALL	WEATHER	0000-0200
		CLARG	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 · 55	≥56	*	MEAN WIND SPEED
N	•1	1.0	2.1	2,1	• 4							5.8	10.5
NNE	• 2	• 3	• 6	•1								1.2	7.2
NE		• 6	• 3									. 9	5.9
ENE	• 3	• 2	.7									1.2	6.4
E	.8	• 6	. 4	• 2	• 3							2.3	7.1
ESE	. 4	• 6	1.1	, 6								2.7	7.5
SE	.7	2.0	1.0	1.0	• 2				I			4.9	7.6
SSE	. 4	1.8	2.6	3.6	1.0							9.3	10.5
8	1.2	2.6	2.1	2.9	. 4							9.2	8.5
SSW	1.2	1.4	.7	.1								3.4	4.9
5W	. 8	1.2	• 2									2.2	4.3
WSW	1.3	2.6	. 3		• 1							4.3	4.6
W	4.0	5.1	1.8									10.9	4.4
WNW	1.7	2.2	1.1	.7		• 1	• 1					5.9	6.4
NW	. 8	1.7	3.1	2.3	2.1	• 9	. 4					11.3	12.5
NNW	•2	1.8	2.4	3.9	3.1	1.1	• 2					12.8	13.6
VARBL													
CALM	$\geq <$	><	><	><	><	><	><	><	><	$\supset <$	><	11.6	
	14.2	25.6	20.6	17,4	7,8	2.1	. 8					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 900

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH AFB SD	73-82	APR
STATION	STATION HAME	YEAR	HONTH
		ALL WEATHER	0300-0500
	- 1	CLAM	HOURS (L.S.T.)
		COMPITION	

SPEED (KNYS) DIR.	1 • 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥56	*	MEAN WIND SPEED
N	. 4	. 9	3.0	3,8	•1		•2					8.4	10.5
NNE	• 3	• 1	• 6									1.0	6.6
NE	• 1	. 8	.4	• 1								1.4	6.6
ENE	•1	• 7	. 4	•1								1.3	7.0
ŧ	•1	• 4	.6	.3								1.4	7.6
ESE	. 4	. 4	.9	.1	• 1							2.0	7.5
SE	.6	1.3	1.0	.4	• 2							3.6	7.4
SSE	.7	1.9	2.1	3.7	. 9							9.2	10.2
8	1.1	1.6	1.8	2.1	• 4	•1						7.1	9.0
85W	. 4	1.1		• 1								1.7	4.5
sw	1.2	. 8	.3	•1								2.4	4.3
WSW	1.6	2.8	.6									4.9	4.4
w	4.0	3.4	1.1		•1							8.7	4.1
WNW	3.3	2.4	1.8	. 3		• 2						3.1	5.9
NW.	1.0	1.9	1.7	1.7	1.1	1.7	.9	• 1				10.0	14.2
NNW	•2	1.9	2.9	4.9	2.9	1.6	• 1					14.4	13.7
VARBL							T. 3						
CALM	\times	$>\!\!<$	$>\!\!<$	><	> <	><	\mathbb{X}	>		><	> <	14.2	
	15.7	22.4	19.1	17.8	5.9	3.6	1.2	.1				100-0	7.5

TOTAL NUMBER OF OSSERVATIONS 900

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH AFB SD	73-82	APR
STATION	STATION HAME	YEARS	MONTH
		ALL WEATHER	0600-0800
		CLASS	HOVRS (L.S.T.)
		CONSITION	

SPEED (KNTS) DIR.	1 - 3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	1.1	2.2	4.9	4.8	.9	• 4	.1					14.4	10.4
NNE	• 1	• 9	. 4	. 3						T		1.8	7.1
NE	•1	. 4	• 3	. 4								1.3	8.0
ENE	. 1	• 1	• 1	• 1	• 1							.6	9.0
E	•1	• 6	.6	. 2								1.4	7.:
ESE	• 1	• 4	•2	• 3	• 2							1.3	9.8
SE	• 4	1.0	1.4	1.1	. 3							4.3	9.
SSE	1.1	1.2	1.3	3.0	. 8							7.4	10.2
8	1.7	2.1	2.4	2.3	1.9	• 3						10.8	10.2
55W	1.0	1.2	.1		•1							2.4	4.3
SW	1.6	1.0	• 2								· · · · · · · · · · · · · · · · · · ·	2.8	3.7
WSW	1.7	1.6	. 4		•1							3.8	4.
w	2.3	1.7	1.2									5.2	4.4
WHW	.9	1.7	1.1	.7	• 1	.1						4.6	7.4
NW	.6	1.4	1.2	2.3	1.9	1.6	1.1	•2		1	······································	10.3	16.1
WMM	1.1	1.8	3.1	5.3	4.3	1.3	.7	•1	-			17.8	14.2
VARBL													
CALM	><	> <	\searrow	$>\!\!<$	$>\!\!<$	> <	> <	$>\!\!<$	><	><	$>\!\!<$	9.7	
	14.0	19.3	19.2	21.0	10.8	3.8	1.9	. 3				100.0	9.4

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 (OL-A) PALVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH AFB SD	73-82	APR
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	0900-1100
		(LASS	HOURS (L.S.T.)
		COMPITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 · 55	≥56	*	MEAN WIND SPEED
N	• 8	2.1	5.3	6.2	3.0	. 4	• 1					18.0	11.8
NNE	. 9	1.4	.7	. 8	.1							3.9	7.1
NE	• 6	. 6	. 3	.1								1.6	4.5
ENE	• 3	. 4	. 4	• 3								1.6	7.9
t	.7	1.0	. 9	. 3					I			2.9	6.5
EZE	.4	1.2	. 4	. 8	. 2	• 1	•1					3.3	9.0
SE	.4	1.8	2.8	1.1	.7	• 1						6,9	9,2
SSE	• 6	2.3	2.9	4.8	1.6	•6	_					12.7	11.5
8	1.0	2.3	1.1	2.9	1.6	1.4						10.3	12.2
8\$W	. 4	. 3	• 2	. 3								1.3	6.7
sw		. 3	.2	,1								.7	7.5
WSW	• 1	• 2	. 3									. 7	6.
w	• 1	• 1		. 2								. 4	8.0
WNW	. 2		• 3	• 1	• 1	,2	, 3_	• 1				1.4	18.4
NW	• 2	3	. 9	2.2	1.9	2,7	1.3	• 3				9.9	19.5
NNW	.6	1.0	3.1	6.1	5,4	3.4	1.1	• 2				21.0	16.5
VARBL													
CALM	$>\!\!<$	><	$\supset <$	$>\!\!<$	><	><	><	$>\!\!<$	> <	><	><	3.4	
	7.3	15.6	20.0	26.4	14.6	9.0	3.0	• 7				100.0	12.3

TOTAL NUMBER OF OBSERVATIONS 900

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH AFB SD	73-82		APR
BOITATE	STATION MADE		YGARO	MONTH
		ALL WEATHER		1230-1400
		CLASS		HOURS (L.S.Y.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 54	*	MEAN WIND SPEED
N	.6	1.1	4.7	7,9	1.9	• 6						16.7	12.
NNE	• 1	1.8	1.6	. 8								4.3	7.
NE	.8	1.2	. 8	. 8								3.6	6.
ENE	. 4	. 8	• 6	. 4								2.2	6.
E	.7	1.4	1.9	1.1	• :					1		5.2	8.
ESE	.2	1.3	1.7	. 9	• 2				}			4.3	8.
SE	• 2	1.4	2.4	2.8	1.1	• 1						8.1	11.
SSE	• 3	1.0	1.2	3.1	1.9	. 8				1		8.3	13.
5	.7	. 8	1.8	3.4	1.9	1.3	• 2					10.1	14.
\$5W	• 2	• 1	• 6	.4		• 1						3.4	10.
SW		• 1	• 3	. 1	•1							• 7	10.
W\$W	. 3	•2	•2	.8	. 3							1.9	10.
w	-1	• 1	• 4	.7	•1							1.4	10.
WNW	• 2	• 4	•2	• 1	• 3	• 3	• 3					2.0	15.
NW	• 2	.4	. 9	1.7	2.9	3.6	1.0	• 3				11.0	19.
NNW	•2	. 8	1.2	5.3	4.3	3.0	1.1	.1	• 2			16.3	17.
VARBL													
CALM	\mathbb{X}	$\geq \leq$	><	\times	$>\!\!<$	\times	\times	\times	\times	\geq	><	2.3	
	5.3	13.1	20.4	30.3	15.3	9.8	2.7	. 4	2				13.

TOTAL NUMBER OF OBSERVATIONS 900

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE DESOLETE

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625 ELLSWORTH AFB SD 73-82 APR

874710N 874710N NAME YEARS

ALL MEATHER 1500-1700

ROAN NOUNC (L.S.T.)

SPEED (KNTS) DIR,	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WINE SPEEC
N	. 8	1.8	3.4	7.2	1.6	• 6						15.3	11.
NNE	• 3	1.3	1.9	1.2	• 1							4.9	8.
NE	. 8	1.2	. 9	.9								3.8	7.
ENE	•1	1.3	2.1	1.0								4.6	8.
E	•6	2.1	2.1	1.1	• 1							6.0	7.
ESE	• 3	1.0	1.2	1.1	• 1	• 1						3.9	8,
SE	• 5	1.2	2.4	2.6	1.2	. 4	• 1					8.6	11.
858	• 3	1.0	1.9	2.3	1.8	• 2	• 1					7.7	12.
\$.6	• 7	2.0	2.7	2.2	• 3						8.4	12.
85W	• 2	• 1	•2	. 3								. 9	8.
5W	.2	• 1	. 4	. 8	. 3							1.9	11.
WSW	•2	•1	• 4	.3	.2	•1						1.4	11.
w	. 3	• 3	. 4	. 2								1.3	7.
WNW	.1		• 3	. 6	.7	. 3	. 3					2.3	18.
NW	• 2	• 7	.4	2.0	1.0	3.0	.7	.6	•1			9.4	20.
NNW	. 8	• •	1.8	5.2	5.1	2.8	•7	• 1				17.2	16.
VARBL													
CALM	> <	> <	> <	\times	\times	$>\!\!<$	> <	> <	> <	><	> <	2.3	
	6.4	13.8	22.1	29.6	15.2	7.9	1.9	• 7	• 1			100.0	12.

SHOITAVERSED TO SERVATIONS

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLE

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625 ELLSWORTH AFB SD 73-82 MONTH
STATION STATION HAME ALL WEATHER 1800-2000
CLASS CLASS CLASS

	7.9	21.8	26.4	23.6	7.9	2.9	. 8	• 2				100.0	9.
CALM	\propto	\times	$\geq \leq$	$\geq \leq$	$\geq \leq$	\times	\mathbb{X}	$\geq \leq$	$\geq \leq$	\mathbb{X}	$\geq \leq$	8.6	
VARSE													
NNW		1.4	3.0	4.2	3.6	1.3	. 2	• 1				13.9	14.
NW	. 2	1.5	2.8	3.1	1.6	1.0	• 3	• 1				10.5	13.
WNW	. 4	1.3	1.1	.7		. 1	•1					3.8	8,
w	• 2	. 3	.7				.1					1.3	8,
W\$W	.2	. 3	• 1	.2								.9	6,
sw	.6	. 3	.2									1.1	3
\$5W	. 3	.6	• 2	.1								1.2	5
\$	1.0	2.1	1.8	1.0	.1	• 1						6.1	7.
SSE	.4	1.9	1.9	2.9	• 1							7.2	9.
SE	. 8	1.8	2.0	1.9	1.2	.2						7.9	10.
ESE	• 8	. 9	1.7	1.3	. 4				<u> </u>			5.1	8
E	. 4	2.8	3.1	1.8	•1							8.2	8 (
ENE	. 9	1.8	1.1	• 2								4.0	5.
NE	.7	1.3	1.4	.7								4.1	7
NNE	.4	1.6	1.9	1.4								5.3	8
N	.4	2.0	3.3	4.0	. 8	1						10.7	10
SPEED (KNTS) DIR.	1 . 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEA WIN SPEE

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 (QL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ELLSWORTH AFB SD STATION HARE 726625 73-82 ALL WEATHER 2100-2300 HOVES (L.B.T.)

SPEED (KNTS) DIR.	1 • 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	49 - 55	≥ 56	*	MEAN WINS SPEE
N	.8	1.1	2.4	1,9	, 4	• 1						6.8	9.
NNE	•1	. 8	• 8	.7								2.3	8.
NE	•1	• 9	.3									1.3	5.
ENE	• 2	1.0	.4	.2					<u> </u>			1.9	6.
ŧ	• 3	1.4	.7	.2	.3							3.0	7.
ese	.6	• 9	1.2	1.1	•1							3.9	8.
SE	•6	1.0	1.4	1.9	.9							5.8	10.
882	.9	1.8	2.7	2.2	• 2							7.8	8,
\$	2.0	3.9	3.1	1.0	. 4							10.4	6.
SSW	1.5	1.2	• 3									3.1	3.
sw	1.2	1.1	•1									2.4	3.
WSW	1.1	2.1	• 2	•2								3.7	4.0
w	2.4	4.4	• 7	.1		•1						7.8	4.
WNW	.9	2.0	1.0	.4		. 3			 		······	4.7	7.
NW	.8	2.0	2.2	1.7	2.7	1.0						10.3	12.
NNW	. 3	1.6	3.7	2.8	3,6	. 8	.6					13.2	13.
VARBL												1	
CALM	$>\!\!<$	\times	$\supset <$	$>\!\!<$	\times	\times	\times	> <	> <	> <	> <	11.6	
	13.9	27.2	21.3	14.4	8.7	2.3						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH AFB SD	73-82	APR
STATION	STATION MADE	TEAM	MONTH
		ALL WEATHER	ALL HOURS (L.S.T.)
		CONSTROM	

SPEED (KNTS) DIR.	1 . 3	4 - 4	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	. 6	1.5	3.7	4.7	1.1	• 3	.1					12.0	11.
HNE	• 3	1.0	1.0	.7	• 0							3.1	7.
NE	. 4	• 9	• 6	. 4								2.3	6.
ENE	• 3	. 8	.7	• 3	•0							2.2	7.
E	• 5	1.3	1.3	.7	.1							3.8	7.
ESE	- 4	. 8	1.1	. 8	• 2	•0	•0					3.3	8.
SE	• 5	1.4	1.8	1.6	.7	.1	•0					6.3	10.
SSE	• 6	1.6	2.1	3.2	1.0	•2	•0					8.7	10.
5	1.2	2.0	2.0	2.3	1.1	.5	•0					9.1	10.
55W	.7	. 8	. 3	• 2	•0	•0		· · · · · · · · · · · · · · · · · · ·				1.9	5.
sw	.7	.6	.3	•1	•1							1.8	5.
WSW	-8	1.2	.3	• 2	-1	.0						2.7	5.
w	1.7	1.9	. 8	• 2	.0	•0	•0					4.6	4.
WNW	1.0	1.3	.9	. 4	• 2	• 2	• 2	•0				4.1	8.
NW	.5	1.2	1.7	2.1	2.0	1.9	.7	.2	.0			10.3	16.
NNW	.4	1.4	2.7	4.7	4.0	1.9	.6	•1	•0			15.8	15.
VARBL												1	
CALM	><	> <	> <	$>\!\!<$	$>\!\!<$	\mathbb{X}	>>	>>	><	><	> <	8.0	
	10.6	19.8	21.1	22.6	10.8	5,2	1.6	. 3	• 0			100.0	10.

TOTAL NUMBER OF OBSERVATIONS 7199

USAFETAC FORM AL 44 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH	AFB	SD		73-82		 HAY
BYATION			STATION HAME			YEARS	MONTH
				ALL WEAT	THER		0000-0200
				CLASS			HOURS (L.S.T.)
				CONDITION	ON ON		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥ 54	*	MEAN WIND SPEED
N	• 3	1.6	2.3	2.7	, 9	• 3						8.1	10.7
NNE	• 3	1.2	1.0		• 1							2.6	6.6
NE	,1	• 6	• 2									1.0	5.
ENE	• 3	. 8	• 1	.1								1.3	5.0
£	• 5	• 5	• 3	. 4								1.8	6.6
ESE	•2	. 6	.4	• 2	•2							1.7	8.0
SE	.8	1.7	1.1	1.3								4.8	7.6
SSE	.4	3.3	2.2	1.5								7.4	7.6
\$.9	4.3	4.3	2.4	. 3							12.2	7.1
\$5W	1.2	1.7	. 5		•1							3.5	4.6
SW	•6	1.8	•1									2.6	4.7
wsw	2.2	1.5	.3									4.0	3.6
w	3.9	4.3	. 8									8.9	4.0
WNW	1.6	2.0	1.2									4.8	4.8
NW	1.1	2.6	2.7	1.6	. 9	•2	•2					9.2	9.5
NNW	.6	1.7	3.4	4.3	1.7	.6						12.5	11.7
VARBL				1									
CALM	$>\!\!<$	\times	$>\!\!<$	$>\!\!<$	$>\!\!<$	\times	\times	\times	> <	><	> <	13.5	
	15.1	30.4	20.9	14.5	4.2	1.2	• 2				the second second	100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC AL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH AFB SD	73-82	YAY
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	0300-0500
		(LAM	HOURS (L.S.Y.)
			
		COMPITION	

SPEED (KNTS) DIR.	1 . 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
14	•5	1.9	2.3	2,2	•1	•1						7.1	8.9
NNE	• 2	. 5	. 3	• 3								1.4	6,5
NE	•1	• 5	. 1									.8	4.6
ENE	•2	. 4		. 1								.8	5.0
	.6	. 8	. 3	. 5								2.3	6.7
ESE	•5	. 4	. 5	. 3								1.8	7.2
SE	• 5	. 8	5									2.6	7.5
SSE	1.0	1.4	2.5	2.2	*							7.4	8.7
5	1.6	3.5	2.9	2.9	.1							11.1	7.8
55W	1.5	1.3	. 4									3.2	4
SW	1.1	2.2	• 1									3.3	4.2
wsw	1.7	1.5	. 1	. 2								3.5	4.0
w	3.0	5.5	. 8	. 1								9.4	4.4
WNW	2.2	2.6	. 6		• 1							5.5	4.5
NW	. 9	1.9	3.1	1.6	. 4	. 4	• 1					8.5	9.6
NNW	. 4	1.8	3.3	5.8	2.3	1.0	• 2					14.8	12.9
VARBL													
CALM	><	$>\!\!<$	>>	\times	><	><	><	><	><	><	$\geq \leq$	16.6	
	16.1	27.1	18.0	17.0	3,4	1.5	. 3					100.0	6.6

TOTAL NUMBER OF OSSERVATIONS

USAFETAC FORM 28-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLS	LSWORTH AFB SD STATION HAME			73-82 YEARS									MONTH
*******		_				ALL WE	ATHER	 					0600	-0800 s (L8.7.)
		_				con	IDITION							
Γ	SPEED (KNTS) DIR.	1 - 3	4 - 4	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 · 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED

SPEED (KNTS) DIR.	1 - 3	4 - 4	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 · 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	. 4	1.9	3.3	2.9	• 2							8.8	9.0
NNE	• 1	. 4	1.0	.4								1.9	8.2
NE	• 1	• 3		• 1								• 5	5.6
ENE		• 3	. 3	• 2								. 9	8.4
Ę	• 5	. 4	. 5	.4	. 1							2.0	7.7
ESE	• 2	• 2	. 5	• 2								1.2	8.0
8.6	.4	1.5	1.4	. 8	•1							4.2	7.6
SSE	1.0	2.8	4.5	2.6	. 5	-,1						11.5	8,9
\$	2.3	4.6	3.2	9.1	. 6	• 2	1					15.2	8.6
88W	.9	1.0	. 4									2.3	4.5
. sw	1.3	1.7	. 4	• 1								3.5	4.7
WSW	1.7	2.2	5									4.4	4.2
w	1.4	1.5	. 9	• 2								4.0	4.9
WHW	1.2	1.6	1.0	, 5	• 2	•1						4.6	7.0
NW	. 9	, 9	1.5	2,8	. 9	1.5						8.4	13.4
NHW	• 5	1.3	3.9	8.9	3.1	. 8	• 1					18.6	13.0
VARBL													
CALM	$\supset <$	$>\!\!<$	><	$\supset <$	\times	\mathbb{X}	> <	><	><	$>\!\!<$	> <	8.0	
	12.9	22.7	23.4	24.3	5.0	2.7	• 2					100.0	8.5

2 SHOITAVESES OF SERMUM LATOT

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETS

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625 ELLSWORTH AFB SD 73-82

CALM	$\geq \leq$	$\ge $	\ge	$\geq \leq$	\times	\times	\boxtimes	\times	\times	\geq	> <	3.7	
VARBL													
NNW	. 4	1.5	2.8	6.7	4.2	1.1	• 2					16.9	14.
NW		. 3	1.0	1.4	1.8	1.7						6.2	17.
WNW		. 3	. 9	• 3	• 1	•1	• 1					1.8	11.
w	. 4	• 2	• 5	. 4	• 1							1.7	8.
WSW	• 2	• 2	• 2	• 3								1.0	8.
sw		• 3	•1	.6								1.1	وناة
\$5W	. 3	• 2	• 1	• 3								1.0	7.
5	. 8	1.9	2.0	4.0	2.3	. 8						11.7	12.
SSE	• 5	2.2	5.1	6.4	1.9	• 5						16.6	11.
SE	• 5	• 6	3.4	• 9	. 3							5.8	8.
ESE	• 5	. 8	2.2	• 4								3.9	7.
E	1.2	1.1	• 5	• 3	• 2							3.1	6.
ENE	• 3	.8	• 4	•1	• 1							1.7	6.
NE	1.2	. 6	. 8	• 1								2.7	5.
NNE	1.1	1.2	2.0	. 6								5.0	7.
N	1.2	2.6	6.0	5.3	1.0	• 1						16.1	9.
SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEA! WING SPEEL

TOTAL NUMBER OF OUSERVATIONS

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM AND CISOLSTE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625 ELLSWORTH AFB SD 73+82 MAY

STATION NAME

ALL WEATHER

CLASS

HOUSE (L.S.T.)

SPEED (KNTS) DIR.	1 • 3		1 - 7 17 1	11 16	i7 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	8	MEAN WIND SPEED
N	• 5	2.2	6.9	5.7	1.2	5.		i				16.7	10.5
NNE	. 8	1.0	2.6	.6				i				4.9	7.6
NE	. 3	1.7	1.5	11								3.7	6.3
ENE	• 3	1.1	1.2	•1	• 2				T			2.9	7.1
	.8	1.0	1.2	. 5	• 2							3.7	7.3
ESE	• 5	.9	2.3	1.4	. 1							5.2	8.9
SE	• 2	1.1	2.8	2.5	•1							6.7	9.7
SSE	•1	. 9	3.0	5.8	1.8	.5				i		12.2	12.9
5	• 6	.9	1.6	5,6	3.5	1.0	2					13.4	14.4
85W	• 2	• 3	•1	.2	•1		• 1					1.1	10.2
SW	• 1	. 4	• 5	• 3								1.4	7.8
WSW	• 1	. 4	. 4	. 4								1.4	8.4
w	• 1	. 4	.9	1.0								2.4	10.1
WNW	• 2	•1	.5	• 1	. 4	• 2			·			1.6	11.9
NW	. 4	. 4	. 8	.9	1.3	1.3	• 5	. 3				5.9	17.9
NitW	• 2	.6	2.7	4.5	4.2	2.0	.3					24.6	15.7
VARBL										 		+	
CALM	$\geq <$	> <	$\geq \leq$	> <	><	\times	> <	><	\geq	> <	$\geq \leq$	2.4	
	5.6	13.3	28.9	29.8	13.2	5.3	1.2	. 3				100.0	11.6

TOTAL NUMBER OF DESERVATIONS 930

USAFETAC FORM 0-2-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLEWORTH AFB SD	73-82	МАY
	The same of the sa	ATHER	1500-1700 sous (L.s.T.)
	CUR	DITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 1 -	17 - 21	22 - 27	26 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	.9	1.8	5.6	5.7	1.4		1					15.7	10.9
NNE	.5	1.4	2.9	1.5								6.3	7.9
NE	• 2	1.0	1.5	• 2								2.9	7.4
ENE	• 5	1.4	1.9	• 3	• 1						- '	4.3	7.1
Į.	. 4	1.3	1.8	• 9	•1	7						4.7	8.8
ESE	.3	• 5	2.2	1.6	•1							4.7	9.8
SE	.6	1.0	2.2	1.6	12							6.6	10.7
SSE	• 2	1.3	2.8	3.9	- 6	• :						10.1	12.1
5	. 4	1.1	1.9	4.3	7	. 5						10.4	12.9
\$5W	. 2	• 3	1.0	• 4		• 1	• 1					2.4	11.0
SW		• 2	. 8	. 8								2.0	12.1
WSW	• 2	• 2	.3	.3								1.1	8.2
. w _	.6	• 2	1.0	1.1	• 4							3.3	10.0
WNW	•1		. 4	. 8	. 5		• 1					1.9	14.2
NW		. 6	.6	2.3	2.6	- 9	• 3	• 1				7.4	16.5
NNW		. 4	1.7	5,9	3.2	1.8	• 2	. 1				13.4	16.1
VARBL													 -
CALM	><	$>\!\!<$	><	\times	$>\!\!<$	$\geq \leq$	\times	\times	> <	\times		2.6	
	5.4	12.0	28,6	31.5	14.0	4.1	. 9	• 2				100.0	11.5

TOTAL NUMBER OF OBSERVATIONS

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625 ELLSWORTH AFB SD 73-82 MAY

EYATION STATION NAME ALL WEATHER 1800-2000

CLASS ROWS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 2:	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	. 4	2,3	3.5	3.8	1.5	• 1						11.6	10.
NNE	. 5	1.4	2.6	. 6								4.2	7,
NE	• 5	1.2	1.3	.6								3.7	6.
ENE	.8	2.0	• 5	. 3								3.7	5.
E	• 3	2.7	2.3	1.5	• 2	• 1						7.1	8.
ESE	• 1	1.1	2.2	1.8	. 3							5.5	9.
SE	.9	1.7	2.6	1.4	. 3							6.9	8.
SSE	1.1	1.6	2.9	1.4	. 4		• 1					7.5	8.
\$	1.1	2.7	2.5	1.9	• 2	•1						8.5	8.
55W	.9	1.1	.5	. 2	• 2							2.9	6.
SW	. 9	• 6	• 2	. 2								1.9	5.
WSW	.5	, 9	. 8	. 4								2.5	6,
w	1.4	• 3	• 2	• 2	• 2		• 1					2.5	6.
WNW	.9	1.6	• 5	. 8		• 2	• 1					4.1	7.
NW	• 5	1.2	3.0	3.3	1.4	• 2	• 2					9.9	11.
MHM	. 5	1.4	2.0	5.1	2.7	.6	. 3					12.7	13.
VARBL													
CALM	$>\!\!<$	> <	\mathbb{N}	\times	$>\!\!<$	> <	$\searrow \langle$	> <	> <	\times	><	4.8	
	11.3	23.8	26.7	23.7	7.5	1.4	• 9	The state of the s				100.3	8.

E E P SEMUM JATOT

USAFETAC FORM ARE 0-8-5 (2),-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625 73-82

SPEED (KNTS) DIR.	1.3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	. 8	1.4	2.8	1.6	,4	.1						7.1	9.4
NNE	-4	• 5	.5	• 3								1.8	6.9
NE	• 2	. 5	. 4									1.2	5.
ENE	• 3	. 9	. 3	•2								1.7	6.
E	1.0	1.2	1.0	. 8	.1							4.0	7.4
ESE	• 2	1.2	3.1	• 3								2.8	7.1
SE	• 3	1.2	1.3	.8	. 4							4.0	8.
8SE	1.3	3.1	2.5	1.6							***************************************	8.5	7.
5	1.2	4.4	3.7	1.5	• 1							10.9	6.8
55W	1.5	1.6	• 5	. 3								4.0	5.
sw	1.6	1.3	. 4	.1								3.4	4.0
WSW	2.0	1.3	• 1	.1								3.6	3.6
w	2.5	3.9	• 5	.2							· · · · · ·	7.1	4
WNW	1.3	2.3	1.2	•1		•1						5.0	5.
NW	• 4	3.2	3.2	1.6	. 4	. 9						9.8	9.7
NNW	. 4	1.3	4.2	3.9	2.2	1.3	۰Z					13.5	13.0
VARBL													
CALM	$\supset <$	><	><	><	> <	\times	$>\!\!<$	\times	\searrow	\searrow	> <	11.7	
	15.5	29.3	23.6	13.5	3.7	2,4	, 2			Contraction of the last		100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 929

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE DESOLETE

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH AFB SD	73-82	·	MAY
STATION	STATION NAME	π	ABŞ	MONTH
		ALL WEATHER		ALL
		CLASS.		MOURS (L.S.T.)
				

SPEED (KNTS) DIR.	1 - 3	4.6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥36	*	MEAN WIND SPEED
N	•6	2.0	4.1	3,7	. 8	• 1	•0					11.4	10.1
NNE	• 5	1.0	1.5	.6								3.5	7.3
NE	.3	. 8	.7	• 1								2.0	6.2
ENE	• 3	1.0	.6	• 2	1							2.2	b. 5
ŧ	• 6	1.1	1.C	.7	.1	•0						3.6	7.7
ESE	3	. 7	1.4	. 8	.1							3.3	8.6
SE	• 5	1.2	1.9	1.2	. 3							5.2	8.6
5\$E	.7	2.1	3.2	3.2	. 8	• 2	• 5					10.2	10.
\$	1.1	2.9	2.8	3,3	1.2	• 3	.0					11.7	10.0
55W	• 8	. 9	. 5	• 2	. 1	•0	• 0					2.5	6.1
SW	.7	1.1	. 3	• 3	•0							2.4	5.5
WSW	1.1	1.0	. 3	, 2								2.7	4 . 9
w	1.7	2.0	.7	, 4	.1		0					4.9	5.6
WHW	. 9	1.3	. 8	. 3	. 2	.1	• 0					3.7	7.1
NW	. 5	1.4	2.0	1.9	1.2	• 9	• 2	1				8.2	12.6
NNW	. 4	1.3	3.0	5.6	2,9	1.2	•2	.0				14.6	13.7
VARBL													
CALM		><	$>\!\!<$	><	><	><	\times	> <	$\triangleright <$	><	> <	7.9	
	11.3	21.8	24.8	22.8	8.0	2.9	. 5	1				100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 7438

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625 ELLSWORTH AFB SD 73-82 JUN
STATION STATION HAME STATION HAME YEARS MONTH

ALL WEATHER GOOD-9200 MOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	26 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	. 4	1.7	1.9	1.0		.1						5.1	7.
NNE		• 6			• 1							. 7	6.6
NE	• 2	• 6	• 1									. 9	4 . !
ENE	.1	. 2	• 2									• 6	5.0
Ę	. 6	1.0	. 4	• 2								2.2	5.0
ESE	. 4	• 2	- 6	. 1								1.3	6.4
SE	• 7	1.2	1.0	. 4								3.3	6.0
558	. 8	2.8	2.7	• 7	. 1							7.0	7.
	1.4	5.2	6.0	.7	. 2							13.6	6.
55W	• 9	2.1	.2	• 1								3.3	4.
SW	1.9	1.1										3.0	3.
WSW	3.2	2.1	• 2		.1							5.7	3.
w	5.0	4.2	. 7		• 1				<u></u>		<u> </u>	10.0	3.
WNW	2.2	2.3	1.7	. 3	. 2	.1						6.9	6.1
NW	.6	3.7	1.9	2.0	.7	. 3	• 1				<u></u>	9.2	9.
NNW	.9	2.3	3.7	2.4	. 9	. 1						10.3	9.
VARBL													
CALM	><	$\geq \leq$	> <	><	$\geq \leq$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	>>	16.8	
	19.4	31.4	21.2	8.0	2.4	.7	• 1					100.0	5.

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM N.E. 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH AFB SD	73-82	JUN
STATION	STATION HAME	YEARS	MONTH
		ALL WEATHER	0300-0500
		CLASS	MOVAS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	• 3	1.2	1.3	1.7	. 3	•1						5.0	9.9
NNE	• 3	• 3	.4	• 1								1.2	5.7
NE	•2	• 2	•1		• 1							.7	6.0
ENE	• 1	• 1	• 2	• 1								.6	8.2
E .	• 2	. 4	.7	•1						1		1.4	6.8
ESE	.6	. 8	. 4									1.8	4.9
SE	.9	.7	.8	.6								2.9	6.7
858	1.0	2.3	2.9	. 6								6.8	6.7
5	1.6	3.9	3.6	1.1	• 2							10.3	6.9
85W	1.3	1.0	• 3	• 2							<u> </u>	2.9	4.8
SW	1.9	. 8	7-7-	•1								2.8	3.2
WSW	3.8	1.1	. 3							ļ — — —		5.2	3.0
w	5.2	4.6	. 8	• 1						1		10.7	3.9
WNW	2.7	4.8	1.1	. 3		• 3						9.2	5.5
NW	1.7	2.6	2.7	1.8	.7	•3	-			1		9.7	8.6
NNW	1.3	2.7	3.4	2.3	1.3	•6	•2	•1		1		12.0	10.5
VARBL										 		#	-74-
CALM	\sim	> <	\times	> <	$\geq \leq$	$>\!\!<$	$>\!\!<$	\geq	$\geq \leq$	\geq	\times	16.9	
	23.1	27.4	19.1	9.1	2.7	1.3	2 د	• 1				100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 900

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625 ELLSWORTH AFB SD 73-82 0600-0800 HOURS (L.S.T.) ALL WEATHER

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥ 56	*	MEAN WIND SPEED
N	. 9	1.9	4.2	3.4	• 1							10.4	9.
NNE	• 6	. 4	• 3	•1								1.4	5.
NE	. 4	• 1	• 1									.7	4.
ENE	. 4	• 1	•1									. 7	3.
Ę	• 2	• 3	.1									.7	4.
ESE	.6	•	• 2	.4	•1							1.8	7.
SE	. 3	1.7	1.0	• 2	•1							3.3	6.
SSE	.9	2.1	3.6	2.1	.1							8.8	8.
5	2.0	4.2	3.2	3.2	• 4							13.1	8.
SSW	1.8	1.6	•2	.1	.1							3.8	4.
\$W	2.0	1.1	•2		• 1				1			3.4	3.
WSW	2.8	1.1	•1	.1								4.1	3.
w	4.0	2.4	1.1	.3								7.9	4.
WNW	1.6	. 0	.6	.8	. 4	• 2						4.3	8.
NW	1.0	1.6	1.8	2.3	1.3	1.0	• 3					9.3	12.
WMM	1.1	2.1	3.7	4.7	1.7	1.1						14.3	11.0
VARBL												1	
CALM	\times	\times	\times	\times	> <	> <	\times	> <	\times	\times	$\geq \leq$	11.9	
	20.4	22.0	20.6	17.9	4.6	2.3	. 3					100.0	7.

TOTAL NUMBER OF OBSERVATIONS 900

USAFETAC FORM (0-8-5 (OL-A.) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC 2

AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH AFB SD	73-82	אטע
STATION	STATION NAME	YEARS	30076
		EATHER	0900-1100
		ti Ale	HOVES (L.B.T.)
	;		

SPEED (KNTS) DIR.	1 - 3	4.6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
н	1.3	4.0	7.9	5.4	• 2							18.9	9.0
HHE	•8	1.6	1.8	• 2								4.6	6.2
NE	.7	2.2	•6									3.4	5.0
ENE	.6	1.9	. 6	• 1								3.1	5.1
ŧ	. 8	2.3	1.1	- 1								4.3	5.4
ESE	1.1	1.3	.7	• 2								3.3	5.3
SE	. 6	1.3	2.2	2.4	• 1							6.7	9.1
55E	.6	2.1	4.2	5.7	. 6	. 1						13.2	10.0
5	. 7	1.9	2.6	3.8	1.7	• 2						10.8	11.5
85W	• 3	. 6	• 2	• 1								1.2	5.5
sw	.2	• 2	. 3									. 8	5.7
WSW	• 2	• 2	• 1	• 2								,8	6.9
w	• 2	. 4	•1	. 6						11		1.3	8.5
WHW	• 2		• 2	, 8	• 1							1.3	11.4
NW	. 4	• 1	1.0	1.6	2.0	. 9	. 2	-1				6.3	16.1
NNW	. 9	1.8	3.4	6.1	2.8	1.0						16.0	12.6
VARBL													-
CALM	\times	\times	$>\!\!<$	$>\!\!<$	><	><	$\geq \leq$	$\geq \leq$	><	><	><	3.9	
	9.6	22.2	27.0	27.3	7.4	2.2	• 2	.1				100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 900

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE DESCRITE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625 ELLSWORTH AFB SD STATION NAME 73-82 ALL WEATHER

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	1.1	3.1	8.2	5.8	1.1	• 1						19.5	9.7
NNE		1.4	1.9	. 8	• 1							4.9	7.1
NE	.3	2.0	1.0	.4								3.8	6.
ENE	. 8	2.3	.6	•1						l		3.8	5.2
E	1.3	2.2	1.9	.1								5.6	5.0
ESE	.9	1.2	2.3	1.0	• 2							5.7	7.
SE	•2	2.1	2.0	2.6	• 2							7.1	9.
SSE	• 2	1.6	1.9	6.1	1.9	.1						11.8	12.
8	. 4	1.6	1.6	5.1	1.2						<u> </u>	9.9	11.
5\$W	.3	.3	.3	.1								1.1	6.0
SW		. 3	•2	•1								.7	6.
WSW	. 4	. 4	.1	•1	•1							1.2	6.
w w	- 2	. 3	.3	.6	•4							1.9	11.
WNW	•1	• 1	.1	.1	. 3	• 1						.9	13.
NW	• 3	• 7	. 4	2.0	. 9	• 2		.1				4.7	13.
NNW	.8	1.2	2.4	5.0	3.8	. 8	• 2					14.2	13.
VARBL										<u>L</u>		ļ	
CALM		$\overline{}$	\sim	\sim	> <	$>\!\!<$	> <	><	$\triangleright <$	$\supset <$	$\geq \leq$	3.3	
	8.2	21.0	25.4	30.0	10.3	1.3	.2	.1				100.0	9.

TOTAL NUMBER OF OBSERVATIONS

USAFETAC AR 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OSSOCETE

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625 ELLSWORTH AFB SD 73-82 JUN

STATION STATION HARE STATION HARE STATION HARE STATION HARE STATION HARE STATION HARE STATION HOURS (L.G.T.)

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
н	1.8	3.0	6.4	5.7	1.0	. 2		2				18.3	10.0
NNE	. 4	1.0	1.9	. 8	• 2							4.3	8.3
NE	.7	1.2	•7	• 2								2.8	5,5
ENE	• 6	2.1	1.0	• 3								4.0	6.0
ŧ	.6	1.6	3.3	1.6								7.0	8.2
ESE	. 4	1.7	1.9	1.6	•1							5.7	8.4
SE	.6	1.6	2.1	1.9	•1							6.2	8,8
55E	.9	1.6	3.0	4.4	.7							10.6	10.0
8	1.1	1.6	1.8	3.8	• 3							8.6	10.0
SSW	•1	• 2	. 3	.1								.8	7.3
SW	• 1	1.0	.1									1.2	5.5
WSW	. 6	. 4	.2	•2			.1					1.6	7.6
w	.6	1.0	.6	.2	• 1							2.4	6.6
WNW	•	.7	.2	. 4	. 4	• 2						2.4	10.4
NW	•1	.6	1.0	2.0	1.1	• 2	.1					5.1	13.5
NNW	• 7	2.2	2.6	5.8	2.6	1.0						14.8	12.0
VARBL													
CALM	\mathbb{X}	$>\!\!<$	> <	$\supset <$	$>\!\!<$	\mathbb{X}	> <	><	> <	$\supset \subset$	> <	4.2	
	9.6	21.3	27.1	29.0	6.7	1.7	.2	.2				100.0	9.3

TOTAL NUMBER OF CASSENDIA JATOT

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS SDITIONS OF THIS FORM ARE OBSOLETE

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625 ELLSWORTH AFB SO 73-82 1800-2000 HOURS (L.S.Y.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
И	. 3	3.0	5.3	3.0	. 4	•1	•2	• 1				12.6	9.
NNE	.9	2.3	.9	. 4	• 3							4.8	6.
NE	. 2	1.2	1.3	• 1		• 1						3.0	7.
ENE	.7	3.3	1.4	• 2								5.7	5.
E	. 9	3.7	2.0	1.0								7.6	6.
ESE	.7	1.2	2.4	2.6								6.9	8.
SE	. 3	2.4	3.2	1.3								7.3	7.
882	1.2	2.2	2.4	1.4								7.3	7.
8	.7	2.0	2.4	. 4	. 1							6.1	7.
\$5W	1.3	.7	• 7									2.7	4.
\$W	1.0	1.2				•1						2.3	4.
W\$W	•6	1.0	•	• 1								2.1	5.
W	1,2	• 6		. 2	• 2							2.2	5.
WNW	, 9	• 6	. 3	.7	. 6							3.0	9.
NW	.6	1.7	2.3	1,4	. 8	. 4						7.2	10.
NNW	. 3	1.6	3.4	4.6	1.1	• 3	• 2	. 3				11.9	12.
VARBL													
CALM	><	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	><	$\geq \leq$	$>\!\!<$	$\geq \leq$	7.3	
	11.8	28.7	28.8	18.0	3.4	1.1	. 4	. 4				100.0	7.

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLITE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH AFB SD	73-82		JUN
STATION	BHAN NOITATE		YEARS	MONTH
		ALL WEATHER		2100-2300
		¢MM		HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	, 4	1.6	1.8	.3	• 2							4.3	7.4
HNE	. 3	• 6	1.0	. 3	• 1							2.3	7.6
NE.	• 2	1.3	. 4									2.0	5.3
ENE	. 3	• 6	• 6]		1.4	5.9
ŧ	.7	1.2	2.1	. 7								4.2	7.0
ESE	.6	1.1	1.4	.7	• 1							3.9	7.7
88	. 8	1.2	1.8	. 9			• 1					4.8	8.0
SSE	1.1	2.0	2.7	1.1		• 1						7.0	7.6
\$	1.2	5.4	4.2	1.2								12.1	6.6
58W	1.7	1.1	• 7									3.4	4.4
SW	2.7	1.0	• 2	• 1								4.0	3.4
WSW	2.0	. 9	• 2									3.1	3.3
w	4.7	3.1	. 9	• 4								9.1	4.3
WNW	1.2	3.1	. 4	• 2	• 1	• 2			, and the second			5.3	5.8
NW	1.1	3.1	2.0	1.3	. 4	. 3	•1					9.2	8.4
WMM	1.0	2.0	3.3	2.2	. 8	.4	• 1	• 1				10.0	10.2
VARBL													
CALM	\times	> <	><	\times	\times	\times	\times	\times	$>\!\!<$	$\geq \leq$	\sim	13.7	
	20.0	29.3	24.6	7.1	1.8	1.1	. 3	. 1				100.0	5.9

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USAFETAC FORM 0-8-5 (UL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625 ELLSWORTH AFB SD 73-82

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 35	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	.8	2.4	4.6	3.3	. 4	.1	• 0	.0				11.0	9.
HHE	. 5	1.1	1.0	• 3	• 1							3.0	7.
NE	. 4	1.1	• 5	•1	•0	•0						2.2	5.
ENE	. 4	1.3	• 6	-1								2.5	5.
E	.7	1.6	1.5	. 4							· · · · · · · · · · · · · · · · · · ·	4.1	6.
252	.7	1.0	1.3	. 8	• 1							3.8	7.
SE	• 5	1.5	1.8	1.3	.1		.0			İ		5.2	8.
SSE	. 8	2.1	2.9	2.8	. 4	.0			-			9.1	9.
S	1.1	3.2	3.2	2.5	.5	.0						10.6	8.
55W	1.0	. 9	. 4	•1	.0							2.4	4.
\$W	1.2	. 8	•1	.0	.0	•0				1		2.3	4.
WsW	1.7	. 9	• 2	•1	.0		•0					3.0	40
w	2.6	2.1	• 6	• 3	• 1		T. T.		<u> </u>	i		5.7	4.
WNW	1.2	1.5	.6	• 5	. 3	•2						4.2	7.
NW	• 7	1.7	1.7	1.8	1.0	.5	•1	.0				7.6	11.
NNW	.9	2.0	3.3	4.1	1.9	.7	•1	1				12.9	11.
VARBL	-							—— —— —					
CALM		> <	\times	><	> <	\times	\times	> <	> <		> <	9.8	
	15.3	25.4	24.2	18.6	4,9	1.5	. 3	. 1				100.0	7.

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH AFB SD	73=82	JUL BONTH
		ALL WEATHER	0000-0200 HOURS (L.S.T.)
		COMBITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
И	1.1	1.2	1.5	1.0	.3	• 1						5.2	8.2
NNE	. 1	• 3	• 5		.1							1.1	7.7
NE	. 6	• 5	• 1	• Z								1.5	5.3
ENE	. 5	• 4	• 1									1.1	3.9
ŧ	• 3	. 9	• 2	. 1						,		1.5	5.6
ESE	• 2	• 2	. 4	. 1								1.0	6.6
SE	• 5	1.3	1.4	. 2								3.4	6.3
SSE	.9	3.9	4.3	. 5	• 1							9.7	7.0
\$	1.9	5.3	5.2	1.5	• 2	•1						14.2	7.2
SSW	1.1	1.7	. 6	. 3								3.8	5.4
SW	1.5	1.6	. 4									3.5	4 - 1
WSW	2.5	1.4	. 4	• 2								4.5	4.1
W	4.3	2.6	• 3									7.2	3.2
WNW	2.7	1.8	. 4	• 3					•			5.3	4.1
NW	1.2	4.0	2.2	. 5	. 3							8.2	6.7
NNW	1.0	2.9	3.9	2.9	1.5	• 2	• 1	• 1				12.6	10.3
VARBL													
CALM	\sim	><	><	><	><	\times	><	$\geq <$	> <	$\supset <$	\times	16.3	
	20.4	30.0	22.0	8.0	2.6		. 1	.1				100.0	5.5

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USAFETAC FORM 7-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH AFB SD	73-82	JUL
STATION	BTATION HAME	YEARS	MONTH
		ALL WEATHER	0300-0500
		CLAPS	HOURS (L.S.T.)
			

SPEED (KNTS) DIR,	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 · 55	≥ 56	*	MEAN WIND SPEED
N	. 4	1.9	3.1	1.2	• 2	• 3						7.2	9.0
NNE	• 2	• 2	.2	• 2								. 9	7.
NE		• 2	•1	• 2								• 5	9.
ENE	.6	• 2	•1									1.0	3.
ŧ	.4	. 3	.3									1.1	5.
EŞE	.2	. 8	• 1	•1								1.2	5.
SE	.5	2.4	.6	. 4								4.0	6.
SSE	1.1	2.8	3.2	1.2								8.3	7.
\$	2.3	4.8	4.7	1.6	.1							13.5	6.
SSW	1.0	1.7	. 3						<u> </u>			3.0	4.
sw	1.3	1.2	.5									3.0	4.
W\$W	2.9	1.1	. 4									4.4	3.
w	4.7	3.0	.5					<u> </u>				8.3	3.
WNW	3.2	2.5	•2						-			5.9	3.
NW	2.2	3.2	1.5	• 5	.4	.1						8.0	6.
NNW	1.2	3.3	3.2	2.5	.5	. 4	•1	l				11.3	9.
VARBL								<u> </u>	· · · · · · · · · · · · · · · · · · ·			# - 	
CALM	$>\!\!<$	\times	\times	\times	\times	> <	>>	\times	$\geq \leq$	\times	> <	18.5	
	22.3	29.7	19.4	8.0	1.3	. , ,	•1					100.0	S.

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM (4.8-5 (OL-A.) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH AFB SD	73-82		JUL
STATION	STATION NAME		TEA NO	MONTH
		ALL WEATHER		0600-0800
		CLASS		HOURS (L.S.T.)

SPEED (KNTS) DIR.	1.3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	49 - 55	≥56	*	MEAN WIND SPEED
N	1.0	1.7	3.8	2.4	• 5	•1						9.5	9.
NNE	• 9	1.3	.4	.1		• 1						2.8	6.
NE	• 1	• 5	. 3	. 1								1.1	6.
ENE		• 5	• 1	. 1								.8	6.
E	.6	1.2	. 4	. 1								2.4	5.1
ESE	. 3	• 5	• 5	. 2								3.6	6.0
SE	1.0	1.4	. 9	. 5								3.8	6.1
SSE	1.4	3.0	4.5	2.9	• 3							12.2	8.
5	2.4	3.8	5.1	2.9	, 9							14.9	8.
\$5W	1.7	1.5	• 1	• 2								3.5	3.
sw	1.5	• 9	• 3									2.7	3.1
WSW	1.9	. 8										2.7	3.
w	3.3	1.7	• 2									5.3	3.
WNW	1.4	• 6	• 2									2.3	3.
NW	.9	2.8	. 6	1.1	, 3	• 2						5.9	7.
NNW	• 2	2.6	6.0	4.3	1.5	• 1	• 1					14.8	10.
VARBL													
CALM	$\supset \subset$	><	><	$>\!\!<$	$\geq \leq$	$>\!\!<$	$>\!\!<$	\times	\times	\times	> <	13.7	
	18,6	24.8	23.5	14.9	3 5	. 5	•1					100.0	6.

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLFTE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ELLSWORTH AFB SD 73-82 0900-1100 HOUSE (L.S.T.) ALL WEATHER

SPEED (KNTS) DIR.	1 · 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*-	MEAN WIND SPEED
N	1.8	3.7	5.5	5.3	• 5							16.8	9.0
NNE	. 5	1.9	1.2	. 2	• 1							4.0	6.4
NE	1.5	1.3	. 5									3.3	4.2
ENE	. 8	1.3	. 1	• 2								2.4	5.1
ŧ	.9	2.4	. 8									4.0	4.5
ESE	. 4	. 4	.9	• 2								1.9	6.
SE	. 9	2.5	2.2	. 5	• 1							6.1	6.6
83E	1.1	3.4	5.7	6.1	• 6							17.0	9.0
5	1.2	1.7	4.7	5.3	2.2	• 3						15.4	11.
55W	. 4		. 4	• 3	• 1							1.7	7.
\$W	. 6	• 1	.1									.9	3.4
WSW	. 5		•1	•2								.9	5.4
*		. 4	• 1	• 1								.6	7.0
WNW	• 1	• 5	• 1	• 3								1.1	7.7
NW	. 4	. 9	. 4	. 5	• 2							2.5	8.
NNW	1.3	1.8	3.5	6.6	1.6	.1						14.9	11.0
VARBL							·					1	
CALM	\times	><	\times	><	> <	><	> <	>>	\times	\searrow	> <	6.6	
	12.5	22.6	26.3	25.9	5.5	. 4						100.0	â.

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625 ELLSWORTH AFB SD 73-82 JUL

STATION STATION MAME ALL WEATHER 1200-1400

GLAMS COMBITTION

COMBITTION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 54	*	MEAN WIND SPEED
н	1.1	2,5	5,5	6.1	1.3	• 2						16.7	10.5
NNE	. 4	1.7	1.7	• 2								4.1	6.5
NE	• 6	1.4	1.0	• 2								3.2	6.1
ENE	.8	1.5	.5	• 2								3.0	5.5
ŧ	1.2	2.6	1.4	. 3								5.5	5.7
ESE	1.0	1.4	1.6	. 9								4.8	7.0
SE	. 9	1.6	4.0	2.6								9.0	8.3
SSE	. 8	2.2	4.7	6.5	, 9							14.9	10.5
5	1.1	1.4	2.7	6.5	2,3	•1						14.0	12.0
55W	• 2	• 2		. 3	1							. 9	8.5
SW	• 1	. 4	• 2	• 2								1.0	7.1
W\$W	• 3	• 2	• 2									.8	4.4
w	. 4	• 1	. 4									1.0	5.1
WHW	. 3	• 5	. 4	• 1	. 2							1.6	7.9
NW	3	1.0	1.8	1.2	. 3	• 1	• 1					4.8	10.2
NNW	• 5	1.2	3.1	4.0	1.1	. 3	• 1	• 1				10.4	12.0
VARBL													
CALM	><	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	><	$>\!\!<$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	4.3	
	10.0	19.9	29.4	29.2	6.1		.2	.1				100.0	9.1

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.1	1.6	5.1	4.0	• 6	• 3						12.7	10.
NNE	. 4	1.2	1.8	. 8		• 1						4.3	8.
NE	. 3	1.2	1.2	. 4								3.1	7.
343	• 6	1.2	• 9	• 3								3.0	5.
£	1.0	2.9	2.8	1.5								8.2	7.
ESE	. 9	1.5	2.6	1.1	• 1							6.1	8.
SE	1.0	1.9	3.9	2.5	•1							9.4	8.
SSE	• 5	2.3	4.5	3.8	. 9	• 1						12.1	9.
5	.9	1.9	3.2	4.7	• 3	• 5						11.3	10.
55W		. 9	. 5	. 9			• 1					2.4	9.
5W	. 4	. 8		• 1	• 2							1.5	6.
WSW	U 4	• 5	• 3	. 2								1.5	6.
w	• 1	• 6	. 2	. 4	• 1							1.5	8.
WNW		• 6	. 3	• 3	• 2		• 1					1.6	11.
NW	. 4	1.1	1.6	1.9	• • 2	• 1				Ī		5.4	9.
WMM		. 9	3.8	4.1	2.0	. 4	•1					11.3	12.
VARBL													
CALM	><	><	><	><	><	><	><	> <	><	$\supset <$	> <	4 - 6	
	8.1	21.1	32.7	27.0	4.8	1.3	. 3					100.0	

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE DESOLETE

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH AFB SD	73-82	JUL
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	1800-2000
		¢L/m6	HOURS (L.B.T.)

SPEED (KNTS) DIR.	1.3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	. 4	2.3	4.6	3.2	. 4	• 3						11.3	9.6
NNE	• 9	1.5	1.8	. 4		• 1						4.7	6.9
NE	• 1,	. 8	1.1	. 3	• 2							2.5	8.6
ENE	1.1	2.2	1.6	. 4								5.3	6.0
Ę	1.8	3.5	3.1	1.2								9.7	5.5
ESE	. 3	1.8	4.0	1.1	• 1							7.3	8.2
SE	1.2	3.2	3.4	1.7	• 1							9,7	7.2
SSE	.9	2.9	3.4	1.9	• 3							9.5	8.1
8	. 8	1.9	1.9	. 4	. 4	• 2						5.7	8.2
SSW	. 8	_ ,3	. 4	. 3	- 1							1.9	6,6
\$W	1.0	1.0	. 4	.1	• 2							2.7	6.0
WSW	1.0	1.3	. 3	• 1	• 2							2.9	5.7
w	1.2	. 9	• 3	, 3	• 1	• 1						2.9	6.3
WNW	.9	1.2	. 3	. 3		• 2						2.9	6.7
NW	• 3	2.3	1.6	1.0		• 1						5.3	7.6
MMM	. 6	1.1	2.9	3.2	. 3	• 1	• 1					8.5	10.4
VARBL													
CALM	$>\!\!<$	> <	><	><	><	><	$>\!\!<$	><	> <	\ge	><	7.3	
	13.2	28.1	31.4	16.1	2.6	1.2	.1					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH AFB SD	73-82	JUL
STATION	STATEM MOITATE	YEAS	KTHOM
		ALL WEATHER	2100-2300
		CLAM	HOURS (L.S.T.)
		COMBITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	9.	1,1	2.4	. 6	.1							4.9	7.7
HNE	• 1	1.2	. 9	• 1								2.3	6.2
NE	• 5	1.3	. 4	• 1		• 1						2.5	5.7
ENE	•6	1.2	. 4	. 2			, , , , , , ,					2.5	5 . 7
ŧ	.9	1.6	.6	.6								3.8	6.1
ESE	.4	1.4	1.6	•2								3.7	6.5
SE	.9	1.6	2.5	• 5								5.5	7.0
SSE	1.3	4.3	1.9	.5	. 3							8.4	6.4
\$	2.4	4.6	4.9	. 9	. 1	.1						13.0	6.5
55W	1.7	1.6	.6	• 2	• 2							4.4	5,3
5W	1.4	2.5	. 5	.1								3.5	4.4
WSW	2.0	1.9	• 5									4.5	4.1
w	3.2	1.4	• 3	• 1								5.1	3.
WNW	1.9	2.3	. 3	.1								4.6	4.1
NW	• 5	3.4	2.6	. 5	. 3	• 3						7.7	7.
NNW	• 8	3.8	2.7	2.2	.2	•2						9.8	8,
VARSL													
CALM	><	><	><	\times	\times	>>	\sum	\times	><	\times	\mathbb{X}	13.9	
	19.5	34.2	23.3	7.1	1.3	. 8						100.0	5.

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETS

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH AFB SO	73-8	2	JUL
STATION	STATION NAME		YEARS	MOMTH
		ALL WEATHER		ALL
	-	CLAM		HOURS (L S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
и	1.0	2.0	3.9	3.0	• 5	•2						10.5	9 . !
NNE	. 4	1.2	1.1	. 3	•0	•0				i		3.0	6.
NE	. 5	. 9	. 6	• 2	•0	•0						2.2	6.
ENE	.6	1.1	.5	•2								2.4	5.
E	.9	1.9	1.2	.5					<u> </u>			4.5	6.
ESE	. 5	1.0	1.5	.5	•0							3.5	7.4
SE	.8	2.0	2.4	1.1	•0							6.4	7.4
55E	1.0	3.1	4.0	2.9	. 4	•0			1			12.5	8.
8	1.6	3.2	4.1	3.0	.8	• 1			1			12.8	8.
SSW	.9	1.0	. 4	• 3	•1		.0					2.7	5.
sw	1.0	. 9	. 3	.1	•1							2.4	4.
WSW	1.5	. 9	. 3	• 1	•0							2.8	4.
w	2.2	1.3	. 3	.1	•0	.0						4.0	4.
WNW	1.3	1.3	. 3	•2	• 1	.0	.0					3.2	5.
NW	. 8	2.3	1.5	. 9	. 3	• 1	•0					6.0	7.0
NNW	.7	2.2	3.6	3.7	1.1	•2	• 1	•0				11.7	10.
VARBL	,											1	7.7.1
CALM	$\searrow <$	> <	><	><	\times	> <	\times	> <	> <	>	><	10.7	
	15.6	26.3	26.0	17.0	3.5		•1	0				100.0	_7.4

TOTAL NUMBER OF OSSERVATIONS 7439

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

E0485

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH AFB SD	73-82		AUG
STATION	STATION NAME		YEARS	MANAM
		ALL WEATHER		0000-0200
		CLARA		HOURS (L.S.T.)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	• 5	1.7	1.6	1.3	•1							5.3	8.0
NNE	• 3	. 6	• 5	• 1								1.6	6.3
NE	• 3	• 2	• 3									. 9	5.1
ENE	. 4	. 8	• 3	• 2								1.7	6.1
ŧ	- 8	1.1	• 2	• 1	_ •1		i					2.3	5.5
ESE	• 2	• 5	. 3									1.1	5.3
SE	• 5	1.2	1.5	. 3								3.6	6.7
SSE	1.2	3.0	3.1	1.4								8.7	7.2
\$	2.2	5.4	4.5	2.2	• 1							14.3	7,0
\$5W	1.4	1.4	. 8	. 3								3.9	5.4
\$W	2.4	1.7	• 2	• 2								4.5	4.0
W\$W	2.9	1.7	• 2									4.8	3.3
w	5.1	4.2	• 6		• 1							10.0	3.8
WNW	2.0	2.5	. 9									5.4	4.5
NW	1.1	3.8	2.6	. 9	• 5							8.8	7.2
NNW	.6	1.4	1.3	3.1	. 8	• 3	• 1					7.6	11.2
VARBL													
CALM	><	\times	\times	\times	\times	\times	><	><	><	>><	$\geq \leq$	15.5	
	22.0	31.2	19.1	10.1	1.7	. 3	1					100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM AM OBSOLETE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625 ELLSWORTH AFB SD 73-82 AUG MONTH
STATION STATION NAME ALL WEATHER U300-0530
CLAMP COMPUTION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	. 4	1.6	1.9	1.1								5.1	7.9
NNR	• 3	• 6	• 2								T	1.2	5.2
NE	• 1		• 1	, 1								. 3	8.0
ENE		• 3	• 1									.4	5.8
ŧ	•6	• 6	• 6									1.9	5.0
ESE	. 3	• 4	• 5	. 3								1.6	6.8
SE	• 3	1.4	. 9	.3								2.9	6.6
SSE	1.5	2.6	2.4	1.9	.1						Ì	8.5	7.6
5	1.8	3.0	4.1	1.4	• 2	•1						10.6	7.4
\$\$W	1.3	1.3	• 2	.1								2.9	4.4
sw	1.8	1.1	• 5						1	1		3.4	4.0
WSW	3.1	1.2	.6						_			4.9	3.5
w	4.1	4.3	. 9							1		9.2	4.0
WNW	2.4	3.7	. 5	.1								6.7	4,2
NW	1.9	3.7	1.7	.6	. 5	.3		.1				8.9	7.5
NNW	.8	3.1	3.0	3.3	, 9	•2	• 1					11.4	9.8
VARBL													
CALM	$\supset \subset$	><	><	><	> <	\times	> <	$\geq <$	> <		><	19.9	
	20.9	28.9	10.4	9.4	1.7	. 6	• 1	. 1				100.0	_5.2

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM 0-8-5 (DL-A) PREVIOUS EDITIONS OF THIS FORM AND OBSOLET

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ELLSWORTH AFB SD 726625

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	12 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥54	*	MEAN WIND SPEED
N	.8	2.7	2,8	1.7	•1							8.1	7.7
NNE	• 3	. 3	• 2	• 1								1.0	5.8
NE		. 4	. 2									. 6	6.3
ENE	.1			• 1								+2	8.0
ę	• 3		. 1	• 1								, 5	5.4
ESE	• 2	. 3	.3	• 1								1.0	6.2
SE	• 3	1.1	1.7	.6	• 2							4.0	8.1
388	1.2	1.6	4.3	3.0	. 6	• 2						11.0	9.
8	2.8	3.1	4.2	2.6	• 3							13.0	7.4
\$5 W	1.0	1.0	. 5									3.8	4.2
\$W	2.0	1.4										3.4	3.3
W\$W	2.5	. 6	.2									3.3	3.0
W	3.5	3.3	1.0	. 3								7.6	4.5
WNW	1.0	1.5	. 9	.3								3.7	5.5
NW	1.0	1.9	1.4	1.9	• 3	• 4						7.0	9.6
NNW	.9	2.9	3.9	4.1	1.6	• 9	• 2					14,4	11.4
VARBL]				
CALM	><	$>\!\!<$	\times	\times	> <	><	\searrow	><	><	\geq	\times	17.4	
	17.7	23.1	21.7	15.1	3.2	1 . 5	• 2					100.0	6.4

USAFETAC 2084 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

TOTAL NUMBER OF OBSERVATIONS

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625 ELLSWORTH AFB SD 73-82 AUG MONTH

ALL WEATHER G900-1100

GLAM HOUSE (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	1.3	4,1	6.1	4.8	. 8	•2						17.3	9.
NHE	1.1	1.3	1.0	• 5								3.9	6.
ME	• 6	• 5	. 4	• 1								1.7	5.
ENE	• 6	1.0	. 4	• 2								2.3	5.
ŧ	1.1	1.1	1.2									3.3	5.
ESE	.8	1.0	• 5	• 1								2.4	5.
SE	1.0	1.5	3.2	1.4								7.1	7.
SSE	1.1	2.5	4.0	4.3	. 4	2						12.5	9.
\$	1.5	2.7	3.7	4.8	1.9	• 3						14.9	10.
58W	. 4	. 6	. 4	• 3		• 1						1.9	7.
\$W	• 2	. 5	• 2	. 2								1.2	6.
WSW	•2		.4		• 1							. 8	8.
w	. 4	. 4	•1		• 1	• 1						1.2	7.
WNW	. 3	• 2	•6			• 1						1.3	7.
NW	•6	. 9	1.6	1.4	. 6	• 3	• 1					5.6	11.
NNW	. 4	1.9	3.3	5.7	2.5	. 6	. 2					14.7	12.
VARBL													
CALM	\times	$>\!\!<$	\times	$>\!\!<$	><	><	$>\!\!<$	\times		><	> <	8.0	
	11.7	20.2	27.3	24.0	6.5	2.0	. 3				-	100.0	8.

TOTAL NUMBER OF OBSERVATIONS

A0479

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625 ELLSWORTH AFB SD 73-82 AUG
STATION STATION HAME VEADS

ALL WEATHER 1200-1400
HOUSE (L.E.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.0	2.4	4.7	5.4	1.6	• 3						15.4	10.
NNE	- 8	2.0	. 9	. 4								4.1	5.
NE	. 8	1.5	1.1	• 3								3.7	6.
ENE	• 1	1.4	1.0									2.5	5.
	1.4	2.0	1.4	.5								5.4	5.
ESE	• 5	1.6	1.5	.8								4.4	7.
8E	1.2	2.8	3.8	2.8	• 1							10.7	8.
SSE	• 5	1.3	4.1	4.7	1.3	• 2						12.2	11.
8	1.0	1.7	3.3	3.3	1.2	•6						11.2	11.
\$5W	. 4	• 2	.5	.6								1.8	8.
sw	• 2	• 4	. 6	.5	•1							1.9	9.
WSW	•3	• 1	. 4	. 3								1.2	8,
w	• 3	• 6	• 5	. 3	•1							1.9	7.
WNW	•1	. 4	• 3	. 4	• 2							1.5	10.
NW	•3	. 8	1.1	. 9	. 9	.4						4.3	11.
NNW	•5	1.0	2.7	5.5	2.3	.8	• 1					12.8	13,
YARBL													
CALM	\times	> <	\mathbb{X}	\times	> <	\mathbb{X}	$>\!\!<$	\times	\mathbb{X}	$\supset \subset$	> <	5.1	
	9.5	20.3	28.0	26.9	7.8	2.4	•1					100.0	9.

TOTAL NUMBER OF OBSERVATIONS 929

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625 ELLSWORTH AFB SD 73-82 AUG

STATION STATION NAME

ALL WEATHER 1500-1700

CLAMS

ROUGE (L.S.T.)

CALM	8.3	23.1	29.2	27.0	6.0	1.3	\bigcirc	-2				1)	9.
VARBL CALM												4.7	
MMW	•2	1.2	3.1	3.6	1.2	• 5	•1	• 1				10.0	12
NW	• 4	. 8		. 9	1.0	• 2						3.8	12
WNW	• 5	. 4	•2	. 8								1.9	7.
w	• 2	. 8	• 2	. 4		•1						1.7	8,
WSW	• 5	• 2	1.0	•6	• 1							2.5	8
sw	• 3	. 6	. 9	• 5								2.4	7
55W	• 3	1.1	1.1	. 3								2.8	7.
5	• 6	2.0	3.4	3.1	1.3	• 1						10.7	10
SSE	.9	2.4	3.0	4.0	• 5	•1						10.9	9
SE	• 3	2.7	2.8	2.9	•2							8.9	8
ESE	• 3	1.2	1.9	1.5				 				5.0	8
E	.9	3.3	2.4	.6	• 2			 -				7.4	7
EME	1.0	1.8	1.2	• 2			<u> </u>	 				4.2	5
NE	•5	.9	1.1	1.3	• •	• 1						5.8	6
NNE	• 5	2.6 1.2	2.2	6.0	1.1		ļ					19.6	10
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	26 - 33	34 - 40	41 - 47	44 - 55	≥56	*	ME/ WIN

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

26625 STATION	ELLS	WORTH	AFB SD	NAME .			73-	82		YEARS				U G
		_				ALL WE	ATHER			· · · · · · · · · · · · · · · · · · ·			1800	-200
		-				EON	IDITION .							
į	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 · 40	41 - 47	48 - 55	≥ 54	*	MEAN WIND SPEED
	М	. 2	2.6	5.0	2.5	. 3	•1			 			10.7	9.
	NNE	• 3	1.9	1.4	.9								4.5	7.
1	NE	.6	2.2	1.1							1		3.9	5.
	ENE	1.2	3.3	1.0	. 3	• 1		• 1		1			6.0	5.
i	E	1.6	2,6	3.3	.5	•1					i i		8.2	6.
	Est	.6	1.8	2.5	1.7		•1						6.8	8.
	SE	1.1	2.6	3.4	1.5	.1							8.7	7.
	SSE	1.5	3.3	2.3	1.7	• 3	• 1						9.3	7.
[5	1.3	2.7	1.8	.6	, 3							6.8	6,
r			1							1				

NNE	• 3	1.9	1.4	. 9								4.5	7.
NE	. 6	2.2	1.1									3.9	5.0
ENE	1.2	3.3	1.0	. 3	•1		•1					6.0	5.9
E	1.6	2,6	3.3	.5	•1							8.2	6.6
ESE	.6	1.8	2.5	1.7		•1					T	6.8	8.6
SE	1.1	2.6	3.4	1.5	• 1							8.7	7.4
SSE	1.5	3.3	2.3	1.7	• 3	•1	1					9.3	7.9
\$	1.3	2.7	1.8	.6	• 3							6.8	6.9
\$5W	1.1	.6	• 2	. 5							1	2.5	6.2
sw	.5	• 6	• 5					 				1.7	4.5
WSW	1.0	.4			•1	•1	-1			 	1	1.7	7.2
w	1.4	1.3	•6	. 5								3.9	5.5
WNW	1.1	1.4	. 8	.1							1	3.3	5.2
NW	.5	2.0	1.6	1.1	. 4	•1				<u> </u>		5.8	8.8
NNW	.6	1.8	2.5	1.8	.9	.3	•1		 	1		8.1	10.0
VARBL									 	 	1		
CALM	><	> <	\geq	\times	\times	\geq	\times	>	\boxtimes	\geq	\geq	8.2	
	14.7	31.3	28.0	13,9	2.7	. 9	. 3					100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 924

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH AFB SD	73+82	AUG
STATION	STATION NAME	TEANS	MONTH
	ALL	WEATHER	2100-2300
		CLASS	HOURS (L.S.T.)
		COMPISION	

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	. 8	1.6	1.3	1.7	. 3							5.7	8.1
NNE	•2	. 8	. 8	• 1		• 1						1.9	7.0
NE	• 2	• 8	.2									1.6	6.
ENE	• 3	. 4	•2	• 2	• 1							1.3	7.
ŧ	1.2	1.9	• 3	. 4		• 1						4.0	5,
ESE	. 4	1.3	. 6	• 2		• 1						2.7	6,
SE	• 5	1.8	2.0	• 3								4.7	6.0
850	1.6	2.9	2.6	1.1		•1						8.3	6.
5	2.2	5.1	4.6	1.4	• 1							13.4	6.
85W	1.9	1.8	. 4	. 3								4,5	4.1
SW	1.8	1.2	• 1	• 2	• 2							3.6	5 .
WSW	2.0	1.4	. 4		• 1							4.0	4,
_ w	3.3	4.0	. 8	• 1	. 4							8.6	9.
WNW	1.6	2.2	1.0	• 1								4.8	4.
NW	1.2	2.7	2.0	1.6	. 5							8.1	8.
NNW	. 8	1.7	2.7	2.0	, 9	• 5						8.6	10.
VARBL									<u> </u>				
CALM	><	><	><	><	><	\times	><	> <	><	><	\geq	14.1	
	20.2	31.6	20.2	10.3	2.7	1.0						100.0	5.

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625 ELLSWORTH AFB SD 73-82 AUG
AUGNANTH
ALL WEATHER ALL
GLASS
COMBITTION

COMBITTION

SPEED (KNTS) DIR.	1 • 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
×	.7	2.4	3.5	3.1	• 5	• 1						10.3	2.4
NNE	• 5	1.1	. 9	. 4	• 1	•0						3.0	7.1
NE	• 4	. 8	.6	• 1								1.9	6.0
ENE	• 5	1.1	.5	• 2	.0		•0					2.3	5.5
E	1.0	1.6	1.2	• 3	•1	•0						4.1	6.2
ese	.4	1.0	1.0	.6		•0						3.1	7,
SE	• 7	1.9	2.4	1.3	•1							6.3	7.0
SSE	1.2	2.4	3.2	2.8	. 4	•1						10.2	8.4
8	1.7	3.2	3.7	2.4	.7	.1						11.9	8.5
SSW	1.0	1.1	.5	.3		•0						3.0	5.6
SW	1.2	1.0	. 4	•2	.0							2.8	5.2
WSW	1.6	• 7	. 4	•1	.1	•0	•0					2.9	4.
w	2.2	2.4	• 6	• 2	.1	•0						5.5	4.6
WNW	1.1	1.5	.6	•2	.0	•0						3.6	5.1
HW	.9	2.1	1.6	1.2	.6	• 2	•0	•0				6.5	9.1
NNW	.6	1.9	2.8	3.6	1.4	• 5	• 1	.0				11.0	11.
VARSL									ļ ————				
CAUM	><	$>\!\!<$	\mathbb{X}	$>\!\!<$	><	> <	$>\!\!<$	\times	> <	\searrow	\boxtimes	11.6	
	15.6	26.2	24.0	17.1	4.0	1.3	. 2	۵.				100.0	77

TOTAL NUMBER OF DESERVATIONS 7434

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH AFB SD	73-82	SEP
BTATION	STATION HAME	YEARS	MONTH
		ALL WEATHER	0000-0200
		(Ma)	NOVRS (4.8.7.)
		CONDITION	

SPEED (KNTS) DIR.	1,3	4 · 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 2	1.7	2.4	, 9	•1							5.3	8.
NNE	- 3	• 3	• 1									• 8	4.
NE	• 1	• 2	•1									. 4	5.
ENE	•1	.3	.1		• 1							.7	7.
ŧ	• 3	• 1	.3	• 2								1.0	7.
ESE	• 3	• 3	• 2	•1	• 1							1.1	6.
SE	• 2	1.1	.6									1.9	5.
SSE	1.0	3.6	3.7	2.1	. 4							10.8	7.
S	1.9	5.0	3.0	2.0	• 3							12.2	7.
SSW	1.1	1.8	. 4									3.3	4.
sw	1.0	1.0	•1						<u> </u>			2.1	3.
WSW	2.7	1.6	.6	• 1								4.9	3.
w	6.0	3.3	• 2						<u> </u>			9.6	3.
WNW	2.9	3.3	.9	• 2	• 2	•1			<u> </u>	 		7.7	5.
NW	.9	3.6	2.9	1.2	. 6	. 3	. 1					9.6	8.
NNW	• 3	2.2	3.1	3.7	• 9	. 3				 		10.6	10.
VARBL												1	
ÇALM	\boxtimes	\times	> <	\times	>>	>>	\times	> <	> <	><	$\geq \leq$	16.1	
	19.4	29.4	18.8	10.6	2.8	. 8	.1				<u> </u>	100.0	5.

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USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLE

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 23	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	.7	1.3	1.4	1.0	• 2	•1						4.8	8.4
HNE	.4	. 7		• 1								1.2	5.0
NE		. 4	• 1									.6	5.2
ENE	• 1	• 3		• 1								•6	5 • 8
ŧ		• 2	• 6	. 3								1.1	9.2
ESE	• 1	• 3										. 4	4 • 3
SE	.2	• 6	. 7	• 1								1.6	6.6
SSE	.7	2.3	2.9	1.8	. 6							8.2	8.6
8	2.4	3.4	2.8	2.4	• 1							11.2	7.1
85W	1.0	• 3	•2		• 1							1.7	4.3
8W	2.4	. 4	. 3	• 1							_	3.3	3.
WSW	3.2	1.6	•1	• 1		• 1						5.1	3.6
W	5.8	4.9	• 1									10.8	3.3
WNW	3.4	3.2	• 6	• 2								7.4	4.0
NW	. 8	3.3	2.9	1.8	1.0	• 6	.1					10.4	9.6
NNW	• 2	2.2	4.0	3.6	1.2	.7	• 1					12.0	11.2
YARBL													
CALM	><	> <	\times	><	$>\!\!<$	\ge	\times	\times	$\geq \leq$	\times	\geq	19.6	
	21.6	25.7	16.7	11.7	3.2	1.9	• 2					100.0	5.

TOTAL NUMBER OF OBSERVATIONS 900

USAFETAC $\frac{\text{FORM}}{\text{NJL-64}}$ 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE DESOLETE

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH AFB SD	73-82	SEP
STATION	STATION WATE	TEARS	нтион
		ALL WEATHER	0600-0800
	<u> </u>	¢L406	HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
и	1.1	2.0	1.4	1.3	. 7							6.6	8.
NNE	. 4	• 7	. 4									1.6	5.0
NE		• 1	.6									• 7	7.!
ENE	• 2	• 1	•2	. 1								. 7	6.2
ę.	• 3	1.1	•6									2.0	5.8
ESE		. 3	•1	.1								.6	6.4
SE .	• 3	1.0	. 4	• 1								1.9	5,
SSE	1.2	1.3	2.2	1.4	.7							6.9	8.
\$	1.9	2.3	4.6	2.9	. 2							11.9	8,3
\$\$W	1.2	. 8	• 3						}			2.3	4.0
sw	1.0	1.0										2.0	3.3
WSW	2.1	2.1	• 3	• 1								4,7	4.5
w	6.1	2.7	• 3	• 1								9.2	3.2
WNW	2.9	1.6	. 3	. 3	• 2							5.3	4.8
NW	.6	2.1	2.2	2.6	. 9	. 8	• 2					9.3	11.4
NNW	1.0	2.4	4.7	4.3	2.0	.7	• 2					15.3	11.3
VARBL													
CALM	><	><	> <	><	$>\!\!<$	\times	>>	><	> <		\times	19.1	
	20.4	21.7	18.8	13.4	9.7	1.9						100.0	6.

TOTAL HUMBER OF OBSERVATIONS 900

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625 ELLSWORTH AFB SD 73-82 SEP

STATION STATION HARE VEATE VEATE STATION HARE

ALL WEATHER 0900-1100

ROUBS (LS.T.)

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	1.9	2.7	4.2	3.1	.6	.4	•1					13.0	9.
NNE	1.4	1.0	1.9	• 3								4.7	6.
NE	• 7	. 4	• 3	• 2								1.7	5.
ENE	.9	1.3	. 4									2.7	4.
ŧ	.6	1.2							!			1.9	4.
ESE	• 3	1.2	.7						i			2.2	5.
SE	. 8	1.9	1.9	.8	•1							5.4	7.
322	.9	2.4	3.3	5.0	. 8	• 2						12.7	10.
5	.9	2.3	2.8	4.9	.7	.6						12.1	10.0
55W	•9	• 3	. 3	• 2	• 2							2.0	6.
8W	.7	• 2	• 2	•1								1.2	5.
WSW	• 3	• 3	•1	• 3								1.1	6.
w	.7	. 4	. 4	• 2	• 2							2.0	7.
WNW		• 2	.4	. 9	• 2	• 1						1.9	12.0
NW	. 3	. 6	.7	2.8	2.4	. 9	• 2					7.9	15.
NNW	. 3	1.8	3.7	5.3	4.2	2.6	. 4	• 1				18.4	14.
VARBL													
CALM	><	><	><	><	><	> <	$>\!\!<$	$>\!\!<$	\times	\times	> <	9.1	
	11.6	18.4	21.6	24.2	9.4	4.8	. 8					100.0	9.

TOTAL NUMBER OF OBSERVATIONS 900

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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726625 ELLSWORTH AFB SD

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SURFACE WINDS

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100-0 10-8

900

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-82

POSTATI			BTATIO	-					,	TEAMS				MORTH.
						ALL WE	ATHER							-140
						601	DITION							
	SPEED (KNTS) DIR.	1 · 3	4 - 6	7 - 10	11 - 16	17 - 21	22 . 27	28 - 33	34 - 49	41 - 47	48 - 55	≥56	7	MEAN WING SPEEC
<u> </u>	N	•6	2.8	4.7	3.7	1.3	.7		.2	• 1			14.0	11.
	NNE	.8	1.6	2.7	.6	• 1							5.7	7.
	NE	1.3	1.8	• 8	• 2								4.1	5.
	ENE	1.1	1.2	• 8	. 3								3.4	5.
	ŧ	• 6	2.6	• 9	.1								4.1	5.
	ESE	.9	. 9	1.6	• 2								3.6	6.
	SE	. 7	1.2	2.8	2.0	• 1							6.8	8.
	SSE	. 3	1.1	3.8	6.6	1.9	.6						14.2	12.
	8	• 3	. 8	1.2	5.3	1.7	•2						9.6	13.
L	55W	- 1	• 2	•1	• 6								1.0	9.1
L	sw	• 2			. 3								. 6	9.1
	W\$W	•1	. 3	• 2	• 1								. 8	7.
L	w		• 1	• 2	. 2								.6	9.6
ᆫ	WNW	•2	. 3	. 4	. 3	.2							1.6	9.9
	NW	•2	. 3	1.4	1.6	2.2	. 9						6.7	15.1
L	NNW	•6	1.1	3.3	5.3	5.4	1.6	. 9	.2	• 1	•1		18.7	15.9
<u> </u>	VARBL						Ĺ	<u></u>					·	
	CALM		><	><	><	><	><	><	><	><	\times	\sim	4.8	

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH AFB SD	73-82		SEP
STATION	STATION NAME		TEARS	MENTH
		ALL WEATHER		1500-1700
		CLANS		HOURS (L.S.T.)
		COMPLETION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	254	*	MEAN WIND SPEED
N	. 8	2.2	5.3	5.7	1.2	. 4	• 1					15.8	10.
NNE	• 2	1.4	1.0	1.9								4.6	8.
NE	. 4	1.4	1.3	.4								3.7	6.
ENE	.7	1.3	1.3	• 3	• 1							3.8	6.
ŧ	1.0	2.1	2.0	.7								5.8	6.
ESE	- 4	2.0	. 9	. 4								3.8	6.0
SE	+6	2.7	3.4	2.7	• 1							9.4	8.
SSE	.8	1.0	4.0	5.2	.9							11.9	10.
8	. 4	. 9	1.9	4.8	1.0	•1						9.1	12.
55W		• 7	• 2	.1	•1							1.1	7.
sw	•1	. 4	. 4	•1	•1							1.2	7.
WSW	•1	.3	. 3	• 2			•1					1.1	9.
w	• 1	. 3	•2	.2		•2						1.1	10.
WNW		• 1		.7	• 1	•1						1.0	13.
NW	.4	. 9	.9	1.6	1.1	.7	. 3					5.9	13.
NNW	•2	1.4	2.9	6.7	2.4	2.9	.7	•1	T			17.3	15.
VARBL													
CALM	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	\mathbb{X}	$\supset <$	\searrow	>>	3.4	
	6.3	19.3	26.2	31.7	7.2	4.4	1.2	. 1	378			100.0	10.

TOTAL NUMBER OF OBSERVATIONS 900

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH AFB SD	73-82 TABLE	SEP BONTH
STATION	STATION NAME	TEAUS	MONTH
•		ALL WEATHER	1800-2000
		CLASS	HOURS (L.S.T.)
		CONDITION	********

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
М	.4	3.4	3.2	2.6	.7	• 6						10.9	9.7
NNE	.7	1.7	2.0	.3								4.7	6.5
NE	•1	. 6	1.1	• 2								2.0	7.
ENE	. 6	2.8	1.6	.1								5.0	5.8
E	1.6	3.2	1.3	1.0					·	1		7.1	6.1
ESE	.8	1.9	3.7	1.4								7.8	7.1
\$2	1.0	2.0	3.4	.9								7.3	7.1
358	.9	2.8	3.4	1.3	• 1					 		8.6	7.
3	1.2	2.7	1.6	.1								5.6	5.6
\$5W	.6	• 3	•1	• 1								1.1	4.6
sw	.4	• 2	.1									. 8	3.6
WSW	.4	• 6	•1	.1	• 1					<u> </u>		1.3	6.5
W	1.0	1.1	•1									2.2	3,6
WNW	1.0	2.1	.3		. 3							3.8	6.0
NW	. 4	2.7	2.0	2.0	.6	.1						7.8	8.9
MNW	.6	1.0	5.1	3.7	1.4	• 7	•1					13.3	11.2
VARBL												1	
CALM	><	\times	\times	$>\!\!<$	\times	> <	\times	> <	\times	$\geq \leq$	><	10.8	
	11.7	29 - 8	29.2	13.9	3,2	1.3	1					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 900

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE DESOURTS

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH AFB SD	73-82	SEP
STATION.	STATION NAME	YEARS	HONTH
		ALL WEATHER	2100-2300
		CLAM	HOURS (L.S.T.)
	**************************************	CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	, 9	1.7	1.8	1.3	. 4	1						6.2	8.
NNE	• 2	. 4	. 8	. 3								1.8	7.
M	. 1	. 4	1.1									1.7	7.
ENE	. 2	. 3	• 1	• 1	-							. 8	5.
ŧ		• 3	•1			•1						- 6	9.
ESE	• 2	. 9	.7	• 1	• 1							2.0	7.
SE	. 3	. 9	1.1	. 2								2.6	6.
SSE	1.4	3.4	3.4	1.0								9.3	6.
\$	2.4	6.0	3.8	1.6								13.8	6.
55W	1.1	1.4	• 3		• 1							3.0	4.
sw	1.3	1.1	. 6	. 1								3.1	4,
WSW	3.1	1.1	. 4									4.7	3.
w	4.9	3.0	. 2	• 1								8.2	3,
WNW	2.3	3.1	.7		• 1							6.2	4.
NW	.6	3.9	3.3	1.7	. 8	• 1	• 2					10.6	9.
NNW	.7	3.0	3.4	2.9	1.6	• 1		• 1				11.8	10,
VARBL													
CALM	\times	><	><	><	><	\times	><	><	><	><	> <	13.8	
	19.9	31.1	21.9	9.4	3.1	. 4	.2	.1				100.0	5.

TOTAL NUMBER OF OBSERVATIONS

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH AFB SD	73-82	SEP
8741-06	STATION HAME	TEARS	MONTH
		ALL WEATHER	ALL MOURA (L.S.Y.)
		CLANS	House (L.S.T.)
		PARALEMAN	

SPEED (KNTS) DIR.	1 · 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥\$6	*	MEAN WIND SPEED
N	. 8	2.2	3.1	2,4	• 7	• 3	• 0	• 0	• 0			9.6	9.
NNE	- 6	1.0	1.1	. 4	•							3.1	6.4
NE	• 3	• 7	.7	• 1								1.8	6.
ENE	• 5	1.0	.6	• 1	•0							2.2	5.0
E	.5	1.4	.7	. 3		0.						2.9	6.
ESE	.4	1.0	1.0	. 3	•							2.7	6.
SE	. 5	1.4	1.8	. 8	•0							4.6	7.
\$SE	.9	2.2	3.3	3.1	.7	• 1						10.3	9.
8	1.4	2.9	2.7	3.0	• 5	• 1						10.7	8.
85W	.7	.7	.3	• 1	• 1							1.9	5.
sw	.9	. 6	•2	. 1	•0							1.8	4.
W\$W	1.5	1.0	.3	•1	•0	.0	•0					3.0	4.
w	3.1	2.0	•2	•1	•0	.0						5.5	3.
WNW	1.6	1.7	.5	.3	• 2	•0						4.4	5.
NW	.5	2.2	2.0	1.9	1.2	• 5	•2					8.5	11.
WHM	. 5	2.0	3.8	4.4	2.4	1.2	• 3	.1	•0	.0		14.7	13.
VARBL												1	
CALM	><	> <	><	\searrow	><	\times	\times	><	\times	> <		12.3	
	14.9	24.0	22.2	17.8	5.8	2.3	. 5	. 1	.0	•0		100.0	7.

TOTAL NUMBER OF OBSERVATIONS 7200

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH AFB SD	73-82	OCT
STATION	STATION MANS	YEARF	MONTH
	ALL WE	ATHER	0000-0200
	•	••	NOOBS (4.6.1.)
	CONI	biffet	

SPEED (KNTS) DIR.	1.3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	. 3	1.2	2.6	1.9	. 5							6.6	9.1
NNE			• 2									• 2	10.0
NE	•1]				• 1	3,0
ENE	• 1	• 1										• 2	4.9
F	.2	. 4	,1									.8	4.7
ESE	.3											• 3	1.7
SE	. 4	. 3	1.0	.1								1.8	6.1
SSE	.5	1.0	2.6	2.0	• 3	***************************************				<u> </u>		6.5	9.4
5	1.7	3.0	2.0	1.4	. 4	•2						8.8	7.5
SSW	1.1	1.3	.4									2.8	4.5
SW	1.3	1.6	• 2							1		3.1	4.0
WSW	2.3	1.4	• 3				· · · · ·			 		4.0	3.7
W	6.0	5.1	1.2	• 2	•1					 		12.6	4.1
WNW	3.9	3.5	. 8	• 3	•1	•2			 	 		8.8	4.9
NW	.6	3.0	3.1	1.9	. 8	1.3	•2			1		11.0	10.9
NNW	1.2	1.3	3.4	6.2	1.6	.8	•1			1		14.6	11.8
VARBL	1								<u> </u>	-			
CALM	> <	$\geq \leq$	> <	> <	$\geq \leq$	> <	\times	$\geq \leq$	$\geq \leq$	\geq	$\geq \leq$	17.8	
	20.1	23.2	18.0	14.2	3.9	2.5	. 3					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM 0-8-5 (QL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH AFB SD	73-82	OCT
STATION	PYAYIGE MAME	YEARS	MONTH
	ALL	L WEATHER	0300-0500
		CLASS	MOURS (L.S.T.)
		COMPITION	

CALA	21.6	23.5	17.3	19.0	9.0	<u></u>		<u></u>				100.0	6.
CALM												17.1	
NNW	•5	2.3	3.4	3.3	2.0	1.0	.3		l			15.1	12.
NW	1.6	2.4	2.6	2.6	2.9	. 5	- 4					1101	10.
WNW	3.9	3.2	1.6	.5		- 3				l		9.6	5.
W	6 • 5	5.3	1.0	• 2						ļ		12.9	3.
WSW	2.9	1.4	.1	• 3								4.7	3.
SW	1.1	. 9	• 1	•1								2.2	4.
\$5W	1.2	1.0	• 2									2.4	4,
_\$	1.2	2.8	1.9	1.7	. 5					L		8.2	8.
SSE	• 5	. 6	1.3	1.3	• 2							4.0	9.
SE	• 6	. 4	1.2	•3								2.6	7,
ESE	•1		. 2									. 3	6.
E	• 1	. 2	.1						<u> </u>			.4	5.
ENE	• 2	• 2										. 4	3.
NE		. 3	.1							<u></u>		. 4	6.
NNE	• 6	• 3	. 1						L			1.1	3.
N	, 5	1.9	3,3	1.4	• 3							7.5	8.
SPEED (KNTS) DIR.	1 - 3	4.6	7 - 10	11 - 16	17 - 21	22 . 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEA WIN SPEE

TOTAL NUMBER OF CREENVALONS

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH AFB SD STATION NAME	73-82	YEARS	OCT MONTH
		ALL WEATHER		9600-0800 Noves (L.S.Y.)
	and the second s	CONSTRUCTION		

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	. 8	1.5	2.0	1.6	• 3							6.2	8.5
NNE	• 1	. 3	. 9	• 2								1.5	7.9
NE		• 1										•1	5.0
ENE	<u> </u>	o 1	•2									.3	6.1
Ę		• 2										• 2	5.0
ESE	.2	•1	•1	• 3					1			.5	6.0
SE	- 1	.1	• 3	• 3				T	 			.9	8.9
855	.6	1.9	1.2	1.2	. 3							5.3	8.1
8	2.0	2.6	2.6	1.5	. 4							9.1	7,4
ssw	1.0	. 4	•2	.1								1.7	4.1
SW	2.0	1.3	•1	.1								3.5	3.5
WSW	2.8	1.6	• 2	• 1								4.7	3.6
w	5.1	5.5	1.7				•1					12.4	4.4
WWW	2.7	2.5	1.0		• 1			.1				6.3	4.9
NW	1.3	2.7	3.5	3.3	1.0	1.2	• 3	•1			·	13.4	11.2
WWW	1.0	1.9	3.0	5.1	2.7	2,5	•1					16.2	13.4
VARBL		***	3.0	700								1006	4317
			$\overline{}$		$\overline{}$			<>			<	17.4	
CALM	\geq	\sim		\sim	\geq	$\geq \leq$	\sim	$\geq \leq$		$\geq \leq$	$\geq \leq$	1/04	
	19.7	22.9	17.1	13.7	4.8	3.7	. 5	•2				100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 930

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625 ELLSWORTH AFB SD 73-82 OCT

OTATION STATION HAME

ALL WEATHER

CLASS

CONDITION

CONDITION

CLOSE

CONDITION

	12.9	17.5	18.5	23.0	$\overline{}$	6.9	2.0	.3				100.0	YO.
CALM	> <	> <	\times	><	\times	\times	\sim	\times	><	\searrow	\times	7.8	
VARBL		. 1										• 1	5.
MMM	. 6	1.5	2.5	6.6	5.7	3.0	. 8	, 3				21.0	16.
NW	.2	, 6	1.2	3,8	1.8	2.3	1.0					10.9	16.
WNW	. 3	• 3	. 2	. 8	. 3		. 3					2.3	13.
w	. 9	• 5	, 5	. 3								2.3	5.
WSW	. 9	. 9	• 2		• 1							2.0	4.
\$W	1.2	. 3	. 4	• 1	• 1							2.2	5.
85W	1.1	. 9	• 2	. 2		•2						2.6	6.
8	2.5	3.7	3.4	3.0	1.4	1.0						14.9	9.
85E	1.1	1.7	2.9	2.9	1,0	• 1						9.7	9.
SE	1.0	1.2	. 8	. 5	• 1							3.5	6.
ESE	• 2	. 9										1.1	4.
E	. 5	• 2	• 1									. 9	3.
ENE	•1	. 4	• 2	• 2								1.0	6.
NE	. 2	. 4										.6	3,
NNE	• 9	1.7	1.2	. 3								4.1	5.
Z	1.3	2.2	4.6	4.3	. 4	• 3						13.1	9.
SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAI WINE SPEE

TOTAL NUMBER OF OSSERVATIONS 930

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH AFB SD	73-82	OCT
STATION	STATION NAME	YEARS	MORTH
	ALL WE	ATHER	1200-1400
	a	UNI CONTRACTOR CONTRAC	HOURS (L.S.T.)
	200		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	49 - 55	≥54	*	MEAI WINE SPEES
N	1.2	2.2	5.5	8.2	1.1	•1	• 1					18.3	10.
NNE	. 8	. 9	. 9	. 3								2.8	6.
NE	.6	1.3	. 8									2.7	5.
ENE	• 5	.6	• 1									1.3	3.
ŧ	.5	.9	. 6									2.0	5.
ese	.9	. 8	1.0	•1								2.7	5.
SE	•3	1.8	2.7	1.3	. 3							6.5	8.
SSE	• 6	3.1	4.1	4.9	1.7	•1						14.6	10.
5	.9	1.6	1.0	2.8	2.3	.8						9.2	12.
\$5W		• 1	- 1	•2								.4	9.
\$W	•2		. 3	.3								.9	10.
WSW	•1	• 1	•1	.5	.1							1.0	110
w	• 2	•2		.6								1.1	9.
WNW		•1	. 3	.4	. 4	•2						1.5	15.
NW	• 1	.4	. 9	2.9	2.4	1.7	1.2	.1				9.7	18.
NNW	.4	1.4	3.3	6.5	6.0	2.3	1.6	. 4				22.2	16.
VARBL	····												
CALM	$>\!\!<$	><	$>\!\!<$	$>\!\!<$	$>\!\!<$	> <	$>\!\!<$	> <	> <	><	> <	3.2	
	7.4	15.5	21.6	29.1	14.3	5.2	3.1	.5	<u> </u>			100.0	11.

TOTAL NUMBER OF OSSERVATIONS 930

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625 ELLSWORTH AFR SO 73-82 OCT

STATION STATION ALL WEATHER 1500-1700

GLAND GLAND HAVE (L.E.T.)

SPEED (KNTS) DIR. 2.6 6.1 1.0 1.1 1.7 10.0 10.5 .6 6,8 NNE 1.5 NE .4 2.9 6.1 1 <u>.</u>T ENE . 9 1.1 2.2 4.7 1.2 1.7 3.9 . 8 •2 5.1 . 8 1.5 ESE 1.1 3.7 6.1 3.0 2.2 SE .8 2.2 8.2 9.1 SSE 1.2 2.8 3.4 3.2 11.3 .9 3 1.1 1.1 6.6 55W . 2 • 6 9.5 . 9 •1 • 3 . 1 SW •1 WSW • 2 • 2 . 5 4.8 •2 w • 6 1.0 2.3 8.1 •2 1.0 • 3 . 4 2.2 12.8 WNW 7.6 16.0 18.8 14.8 NW 1.1 1.9 • 4 3.0 3.5 HNW 5.4 24.0 100.0 10.0

TOTAL NUMBER OF OBSERVATIONS

20489

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH AFB SD	73-82		OCT
BOITATE	BTATION NAME		YEARS	MONTH
	AL AL	L WEATHER		1800-2000
		CLASS		HOURS (L.S.Y.)
		COMPITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 · 55	≥ 56	*	MEAN WIND SPEED
N	1.1	2.2	2.3	2.0	• 5	•2						8.3	9.
NNE	• 6	. 9	. 5	.1								2.2	5,
NE	.6	1.3	.6									2.6	5.
ENE	• 3	1.1	• 2	• 1		.1					}	1.8	6.
E	• 3	1.1	. 4		•1							1.9	5.
ESE	. 3	. 8	.6	1.0								2.7	8.
SE	.4	1.8	1.5	.9	• 2				T			4.8	7,
858	1.0	2.5	1.7	.9	• 2				ļ ————	1		6.2	6.
5	1.4	4.0	2.2	• 3		•1			T			8.0	5.
SSW	• 3	1.2	.5	•1								2.2	5.
SW	1.1	. 8	•2	• 1								2.2	4.
WSW	1.0	.6								1		1.6	3.
W	2.8	2.3	.4	• 2								5.7	4.
WNW	1.6	3.0	• 5	. 3		•1						5.6	5.
NW	. 8	2.8	3.5	1.9	. 9	1.2	·—————	· · · · · · · · · · · · · · · · · · ·				11.1	10.
NNW	.4	3.7	4.9	2.6	2.2	1.2	.8	•1				15.8	12.
VARBL												1	
CALM	>>	\times	\times	$>\!\!<$	$>\!\!<$	> <	>	> <	$\geq \leq$	> <	> <	17.4	
	14.1	29.8	20.3	10.5	4.1	2.9	8	1				100.0	6.

TOTAL NUMBER OF OBSERVATIONS 930

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ELLSWORTH AFB SD	73-82	OCT
STATION NAME	YEARS	MONTH
	ALL WEATHER	2100-2300
	euo.	MOURS (L.B.T.)
	CONDITION	
		STATION HAME YEARS ALL WEATHER GLAGO

SPEED (KNTS) DIR.	1 - 3	4 - 4	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	24 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	, 4	1.6	1.8	2.3	• 5	• 2	. 1					7.0	10.7
NNE	• 2	. 3	• 1	.1								. 8	6.1
NE		. 4		• 1								. 5	6.8
ENE	• 2	• 1	• 1									. 4	4.0
ŧ	. 3	• 2	• 2									. 8	4.
ESE		• 3	• 1									. 4	6.
\$E	• 5	• 6	. 8	.1								2.0	6.
SSE	.8	2.3	2.4	1.9	. 1							7.4	7.
\$	2.0	2.8	3.8	. 4	• 4							9.5	6.
SSW	. 4	2,4	• 2						L	L		3.0	4.4
sw	1.7	1.2	• 2							I		3.1	3.
WSW	3.0	1.2							Ĺ			4.2	2.
w	5 • 2	3.2		• 2							<u> </u>	8.6	3.
WNW	2.9	2.3	. 4	. 5	. 1	• 2						6.5	5.
NW	1.5	3.C	3.1	1.7	. 6	1.0	• 3					11.3	9.
NNW	•6	1.7	3.4	5.6	1.5	. 9	• 2					14.2	11.9
VARBL													
CALM	><	><	><	$> \leq$	><	><	\times	><	><			20.3	
	19.9	23.9	16.7	13.0	3.3	2.3	. 6					100-0	6.

SHOPFAVERSED TO SEEMUN LATOT

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625 STATION	ELLSHORTH AFB SD STATION HAME	73-82 VEAMS	OCT
	<u>AL</u>	L WEATHER	HOURS (L.S.Y.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 · 47	48 - 55	≥56	*	MEAN WIND SPEED
×	.8	1.9	3.5	3.6	• 7	• 1	.0					10.7	10.0
NNE	. 5	• 7	.6	•2	•							2.0	6.2
NE	• 3	• 7	. 3	.0								1.3	5.5
ENE	. 3	. 5	• 1	•1		•0						1.0	5.1
E	. 4	. 6	3	.0	•0							1.4	5.0
ESE	. 3	. 5	. 4	•2								1.5	6.2
SE	• 5	1.1	1.4	.7	• 1							3.8	7,7
SSE	. 8	2.0	2.4	2.3	• 6	•0						8.1	9.2
3	1.6	2.7	2.2	1.7	. 6	• 3						9.3	8.6
SSW	.7	1.0	• 3	• 1	• 0	•0						2.1	5.2
\$W	1.1	. 8	•2	•1	.0							2.2	4.5
wsw	1.6	. 9	•1	.1	,0							2.8	3,9
w	3.3	2.8	.7	. 3	• 0	•0	•0					7.2	4.3
WNW	1.9	1.9	.6	.5	• 2	• 1	•0	•0				5.3	6.4
NW	.8	2.0	2.4	2.4	1.2	1.4	• 5	• 1				10.8	12.8
NNW	.7	1.9	3.4	5.7	3.2	1.7	•6	• 1				17.2	13.9
YARBL		.0										.0	5.0
CALM	$\geq <$	$\ge \le$	\times	> <	> <	> <	> <	\geq	\ge	\times	><	13.3	
	15.6	22.0	19.2	17.9	6.8	3.8	1.2	• 2				100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH AFB SD	73-82	NOV
STATION	STATION NAME	TEARS	MONTH
		ALL WEATHER	0000-0200_
		EMP	HOURS (L.S.Y.)

CALM												19.8	
NNW	.4	1.8	2.8	2.4	1.7	1.2	.2	•1				10.7	13.
NW	1.7	3.2	2.9	3.1	1.3	1.0	. 8	•2				14.2	11.
WNW	4.2	3.6	1.6									9.3	4.
w	7.0	5.1	1.6	. 4	• 1							14.2	4.
WSW	2.0	2.0	•1									4.1	3.
SW	.8	. 9			T							1.7	3.
\$5W	.7	.7	• 2	•1		.1						1.8	6.
5	1.3	2.1	1.3	• 3	.4	•1						5.7	6.
SSE	1.7	1.4	1.3	•7								5.1	5,
SE	.2	.7	.4	•2								1.6	6.
ESE	•2	. 4	•1					<u> </u>				.8	4.
E	.6	• 3	•1									1.0	3.
ENE	.3	• 2	•1	•1						İ		.8	5.
NE	.3	. 9	•1					<u> </u>				1.3	4.
NNE	.4	- 7	. 4	.1						 		1.7	5.
N	.7	1.4	.9	2.2	• 9	•1	•1			 		6.3	10.
SPEED (KNTS) DIX.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED

TOTAL NUMBER OF OBSERVATIONS 900

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH AFB SD STATION NAME	73-82	YSARS	NOV HOHTH
		ALL WEATHER		0300-0500 HOVER (L.S.Y.)
		COMP1110M		

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	.9	1.9	2.4	2.4	• 6	.3	• 1					8.7	10.
NNE		. 7	• 3									1.0	6.
NE		• 3	. 2									. 6	5.
ENE	.6	• 1	• 2									. 9	3.
E	4 ن	• 1	. 4									1.0	5.
ESE	• 3	• 7	. 3									1.3	5.
3E	• 2	• 7	. 3									1.2	5.
358	• 2	1.0	1.2	. 8								3.2	7.
8	• 3	1.6	2.0	•7	• 2	• 3						5.1	9.
SSW	1.1	1.2	• 3									2.7	4.
SW	1.0	. 4										1.4	3.
WSW	1.6	2.0	• 1									3.7	3.
w	5.0	5.6	. 8	• 2								11.6	3.
WNW	4.0	3.0	1.0	• 2	• 6	•1					<u> </u>	8.9	5.
NW	2.1	3.7	3.1	3.3	1.8	.7	1.0	, 3				16.0	11.
NNW	1.0	2.2	4.1	2.4	1.0	1.4	. 3			1		12.6	11.
VARBL										1			
CALM	><	\times	\times	\mathbb{X}	\times	\times	\times	\times	> <	> <	> <	20.2	
	18.8	25.1	17.0	10.1	4.1	2.9	1.4	. 3				100.0	6.

TOTAL NUMBER OF OBSERVATIONS 900

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625 ELLSWORTH AFB SD 73-82 VEARS NOV

STATION HAME VEATHER D600-0800

CLASS CONDITION

SPEED (KNTS) DIR.	1 - 3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
×	.8	2.4	1,8	2,7	1.0	• 1	.1					8.9	10.
NNE	. 4	• 3	• 2	.2								1.2	5.
NE	• 3	• 3	, 4									1.1	5.
ENE	• 5	• 2										- 4	3.
E	.4	• 2										. 7	3.
ESE	•2	• 3	,2									. 8	5.
SE	• 2	• 8	. 8	. 3								2.1	7.
SSE	. 9	1.4	1.1	1.2	• 3	• 1						5.1	8,
\$	• 3	1.2	1.2	• 2	• 1	• 2						3.3	8.
SSW	• 2	• 2										. 4	3.
SW	1.0	. 2	, 1	• 1	• 1							1.6	4.
WSW	2.1	1.6	, 2	• 1								4.0	3.
W	6.9	6.0	, 8	• 2								13.9	3.
WHW	2.9	2.9	1.1	. 6	• 1							7.6	5.
NW	2.1	2.7	3,3	2.1	1.0	1.6	, 9	• 2				13.9	11.
NNW	• 2	3.0	2,8	3,4	2.1	• 2	• 1					11.9	11.
VARBL													
CALM	><	> <	><	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	\times	$>\!\!<$	><	$>\!\!<$	23.1	
	19.3	23.9	14.1	11.2	4.8	2.2	1.1	. 2				100.0	6.

TOTAL NUMBER OF CESERUM JATOT

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625 STATION	ELLSWORTH AFB SD	73-82 YEARS	NOV MONTH			
	ALL WEATHER					
	coi	1917108	i			

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	1.4	2.1	2.4	3.7	• 9							10.6	9.
NNE	• 2	1.1	. 3									1.7	4.
NE	.7	. 4										1.1	3.
ENE	, 4	• 4	• 1	• 1								1.1	4.
E	. 4	• 7										1.1	3.
ESE	.2	• 2	• 3									• 8	5.
SE	.9	. 4	1.0	. 6								2.9	7.
SSE	1.6	1.7	2.4	2.0	• 2	. 4						8.3	9.
5	2.4	1.8	2.0	1.3	. 6							8.1	7.
SSW	2.0	1.0	• 1	• 1								3.2	3.
SW	1.0	1.8	, 2									3.0	3,
WSW	1.9	2.3		. 3								4.6	4.
w	1.6	2.0	.7	• 2								4.4	5.
WNW	1.3	.6	• 7	• 7	. 4							3.7	8.
NW	1.0	1.9	2.3	3.3	3.2	1.3	. 8	. 3	• 1			24.3	14.
NNW	1.1	1.8	3.1	5.7	2.8	1.0	. 4					15.9	13,
VARBL													
CALM	> <	> <	> <	$\overline{}$	> <	> <	\searrow	> <	>>	> <	> <	15.2	
	19.2	20.2	15.8	18.0	8.1	2.8	1.2	. 3	. 1		-	100.0	8.

TOTAL NUMBER OF OBSERVATIONS 900

USAFETAC NORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE DESOLET

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH AFB 5D	73-82	NOV
STATION	SMAN POITATE	TEADS	RONTH
		ALL WEATHER	1200-1400
		CLASS	HOURS (L.S.Y.)
	·_ ·- ·- ·- ·- ·- ·- ·- ·- ·- ·- ·- ·- ·-	ANDIDIAN	

SPEED (KNTS) DIR.	1.3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.2	4.0	5.2	4.8	1.1	• 4						16.8	9.
NNE	. 9	1.1	.6	.7								3.2	6.
NE	.7	. 8	• 3									1.8	4,
ENE	.8	• 6	• 3									1.7	4.
ŧ	. 7	1.2	.6									2.4	4.
ESE	• 9	• 3	. 3	• 1								1.7	4.
SE	1.4	2.0	2.4	1.4	• 1							7.4	7.
SSE	1.4	2.3	2.7	3.2	. 8	1						10.6	8,
5	1.2	3.1	3.3	1.9	.6	4						10.6	8.
55W	• 2	• 3		• 3								• 9	8.
SW	.7	. 4		. 2								1.3	5.
W\$W	• 1	• 1		. 3								.6	9.
W	. 4	• 2										. 7	3.
WNW	• 1	. 3	• 1	. 4	. 6							1.6	12.
NW	• 3	• 9	1.6	3.9	2.2	1.7	. 9	• 3				11.8	16.
NNW	. 4	1.6	4.8	7.0	4.7	1.4	• 6					20.4	14.
VARBL													
CALM		><	>>	$\searrow \langle$	$>\!\!<$	\times	$>\!\!<$	> <	$\supset <$	><	> <	6.7	
	11.6	19.3	22.2	24.3	10.0	4.1	1 4	. 3				100.0	9.

TOTAL NUMBER OF OBSERVATIONS 900

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625 ELLSWORTH AFB SD 73-82 NOV

STATION HAVE

ALL WEATHER

GLASS

CONDITION

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	1.7	3.0	5.1	3.2	1.2		-1					15.3	9.
NNE	. 9	1.0	1.3	.3								3.6	6.
NE	1.0	1.0	• 3	• 2								2.6	4.
ENE	.8	. 8	• 2									1.8	4.
E	1.1	1.3	٦,			· ·						3,2	4.
ESE	1.2	1.7	. 7	• 1	ť.							3.7	4.
SE	1.6	2.3	3.2	.6	• 2							7.9	6.
SSE	1.1	2,1	4.4	1.9	•1							9,7	8,
\$	1.3	1.7	1.4	1.3		•1						5.9	7.
SSW	.6	• 6	•2	• 2								1.6	5.
5W	.9		• 1									1.0	2.
W\$W	• 3		• 2									.6	4.
w	1.0	. 4	• 3	• 6								2.3	6.
WNW	.6	• 4	• 3	• 6	• 3							2.2	8.
NW	• 6	1.6	2.3	2.7	1.9	1.0	.4	. 4				10.9	14.
NNW	.7	1.2	3.2	5.9	2.8	1.7	• 3					15.8	14.
VARBL													
CALM	> <	><	> <	><	> <	> <	> <	\times	> <	><	> <	12.1	
	15.2	19.1	25.3	17.6	6.6	2.8	. 9	. 4				100.0	8.

TOTAL NUMBER OF OBSERVATIONS 900

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625 ELLSWORTH AFB SD 73-82 1800-2000 House (L.S.T.)

SPEED (KNTS) DIR.	1.3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥ 55	*	MEAN WIND SPEED
N	1.0	1.7	2.7	1.6	• 3	• 1						7.3	8.8
NNE	• 2	1.3	. 7	• 3	. 1							2.7	6.8
NE		. 4	• 3	•1								. 9	6.6
ENE	• 2	• 3	.7									1.2	6.1
ŧ	.7	.6	.1							T		1.3	3.6
ESE	.7	.7	.4									1.8	5.1
SE	1.3	1.4	.6	3								3.7	5.0
SSE	.6	2.3	1.8	. 9	• 2							5.8	7.5
\$	1.9	2.9	2.0	. 8	•1							7.7	6.4
SSW	2.0	• 3	.1									2.4	2.9
SW	1.7	.7	•1							<u> </u>		2.4	3.3
WSW	1.7	1.3	.3	• 2								3.6	4.2
w	3.1	3.3	.8	• 2	• 2	•						7.7	4.7
WNW	2.0	2.4	.3	.7								5.4	5.0
NW	1.7	1.6	2.6	1.7	1.0	. 9	.6	•1	.3			10.3	12.7
NNW	1.0	2.6	3.3	4.4	2.6	1.2	. 4	.1				15.7	12.7
VARGL					3.3								
CALM	$>\!\!<$	$>\!\!<$	><	$>\!\!<$	$>\!\!<$	> <	> <	\times	> <	><	> <	20.1	
	19.7	23.9	16.8	11.2	4.6	2.2	1.0	.2	. 3			100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 900

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625 ELLSWORTH AFB SD 73-82

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	26 - 33	34 - 40	41 - 47	48 · 55	≥56	*	MEAN WIND SPEED
N	• 6	1,4	1.6	1.7	• 4	•1						5.8	9.
NNE	. 4	• 8	.6	.6		• 1						2.4	7.
NE	•2	• 2	• 1	.1								.7	5.
ENE	• 2	• 4		.1								. 8	5.
ŧ	•6	•1	.3									1.0	4.
ESE	.3	• 6	• 2	•1								1.2	5.
SE	.8	1.4	.8						<u> </u>			3.0	5.
SSE	1.4	1.7	2.0	. 4					1			5.6	6.
8	1.6	3.4	2.0	1.0	•1							8.1	6.
55W	1.0	. 8	•1	.1	•1							2.1	4.
\$W	1.6	.7			•1							2.3	3,
WSW	1.9	2.2	•2	•2			•1					4.7	4.
w	5.8	5.8	• 3				<u></u> _					11.9	3.
WNW	2.3	2.7	1.3	. 4								6.8	5.
NW	1.2	2.1	3.1	2.8	. 9	1.6	.3	•1	•2			12.3	12.
NNW	.8	2.2	3.1	3.4	2.0	1.0	. 3					12.9	12.
VARBL			77.				• •					+	
CALM	> <	> <	\times	\searrow	> <	> <	> <	> <	> <	>	> <	18.4	
	20.7	26.6	15.8	11.0	3.7	2.8	. 8	.1	• 2			100.0	6.

TOTAL NUMBER OF OBSERVATIONS 900

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLS	WORTH	AF	B SD							73.	-82	 					 		NOV	
BYATION	<u></u>			STATE	ON HAME		AL	L		ATH	1ER		 		YEARE					ALL	
						 	 			A86			 						•	V89 (L.S	.т.)
							 		cont	PITION			 								
_							 						 				 	 			
ĺ	SPEED					 			.	•				4		4=			•		EAN

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	1.0	2,2	2.9	2.8	. 8	,2	•1					10.0	9.7
NNE	.4	• 9	• 6	. 3	•	•0						2.2	6.4
NE	. 4	• 6	• 2	• 1								1.2	4.8
ENE	.4	. 4	• 2	.0								1.1	4.7
ŧ	.6	• 6	.3									1.5	4.4
ESE	.5	. 6	.3	• 0								1.5	5.0
SE	.8	1.2	1.2	. 4	.0							3.7	6.6
SSE	1.1	1.7	2.1	1.4	• 2	•1						6.7	7.9
\$	1.3	2.2	1.9	. 9	. 3	•2						6.8	7.6
ssw	1.0	.6	•1	.1	•0	•0						1.9	4.5
SW	1.1	. 6	•1	.0	•0							1.8	3.8
WSW	1.4	1.4	•2	. 2			.0					3.2	4.2
w	3.8	3.6	.7	• 2	.0							8.3	4.1
WNW	2.2	2.0	. 8	. 4	• 2	•0			<u> </u>		· · · · · · · · · · · · · · · · · · ·	5.7	5.7
NW	1.3	2.2	2.7	2.9	1.7	1.2	.7	. 3	•1			13.0	13.1
NNW	.7	2.0	3.4	4.3	2,4	1.2	• 3	•0		1		14.5	13.0
VARBL					·								
CALM		\times	> <	\times	\times	\times	\times	> <	> <	\times	> <	17.0	
	18.2	22.9	17.6	14.2	5.8	2.8	1.1	. 3	.1			100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 7200

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLS	WORTH						73-	-82					0	EC
STATION				STATION NAME							TRACE				40111
		_						EATHER						0000	-0200
		-						LASS		-				HOVE	B (L.B.T.)
							CAL	HBITION							
								MERTION							
		-								·					
	SPEED (KNTS) DIR.	1 - 3	4.	6 7	10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 55	≥56	*	MEAN WIND SPEED
f	N	.2	1	. 2	2.6	3.1	1.1	•1		•2				8.5	11.9
1	NNE	. 2		. 4	.9									1.5	6.9

SPEED (KNTS) DIR.	1 . 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 55	≥56	*	MEAN WIND SPEED
N	• 2	1.2	2.6	3.1	1.1	• 1		•2				8.5	11.9
NNE	• 2	. 4	. 9									1.5	6.9
NE	-4	• 2	• 3									1.0	4.7
ENE	. 4	. 3										.8	3.3
E	.8	. 9	• 3									1.9	4.6
ESE	. 4	. 8	• 1									1.3	4.0
SE	.3	. 9	• 3	1.0								2.5	8.2
85£	.6	. 9	1.1	1.2								3.8	8.0
5	1.8	1.6	1.2	• 5	•1							5.3	6.0
\$5W	. 8	. 5	•1									1.4	3,9
SW	1.2	.9	• 1									2.2	3.5
WSW	2.0	2.6	.3									5.0	3,9
w	5.4	6.0	1.3	.3								13.0	4.3
WNW	3.3	2.5	1.1	.6	• 2	.3						8.1	5.9
NW	1.2	1.5	2.2	2.2	1.6	1.9	• 5	.1				11.2	13.7
NNW	.6	2.6	3.8	4.1	2.0	1.6	1.0	•2				15.9	13.5
VARBL	1												
CALM	$\searrow \langle$	\times	$>\!\!<$	> <	$>\!\!<$	> <	\times	\times	\times	> <	$\geq \leq$	16.8	
	19.8	23.7	15.6	13.0	5.1	4.0	1.5	•5				100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 929

≈056-2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH AFB SD	73-82		DEC
ATATION.	STATION HAME		YEAPS	MONTH
		ALL WEATHER		0300-0500
	\ <u>-</u>	CLASS		HOUGS (6.9.7.)

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 19	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
ы	•5	2.0	2.4	2.6	. 8	.3	• 1					8.7	10.
NNE	. 5	• 5	. 5	. 3								1.9	6.
NE	• 3	• 2										.5	3.4
ENE	.2	•2										. 4	3.6
Ł	•2	. 8										1.0	3.8
ESE	• 5	1.0	.2									1.7	4.0
SE	.6	• 3	•2	• 1								1.3	4.9
SSE	. 5	1.1	1.3	. 9								3.8	8.0
\$	1.0	1.5	1.3	. 4	• 2							4.4	6.9
SSW	1.6	• 5	•1									2.3	3.0
sw	1.1	1.6	• 3	•1								3.1	4.
WSW	1.6	2.4	.5									4.5	4.2
w	5.4	4.1	1.8	.1								11.4	4.3
WNW	3.3	3.4	. 5	.5	. 5	•1						8.5	5.6
NW	1.3	2.4	1.8	2.6	1.7	1.2	. 8	•1		***************************************		11.8	12.9
NNW	1.2	1.4	3.5	3.9	3.1	2.3	1.1	.3				16.8	15.0
VARBL												1	
CALM	$\supset \subset$	\times	\times	\sim	\times	\times	\times	\times	> <	\searrow	> <	17.8	
	20.0	23.4	14.6	11.5	6.3	3.9	1.9	. 4				100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH AFB SD	73-82	DEC
SYATION	STATION HAP E	YEARS	MONTH
		MATHER	0600-0800 Hevre (L.E.T.)
	CON	DITION	

SPEED (KNYS) DIR.	1 - 3	4 · 6	7 - 10	13 - 16	17 • 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 54	*	MEAN WIND SPEED
N	1.1	1.9	2.3	3.5	1.0	• 9		L	1	<u> </u>	<u> </u>	10.6	114
NNE		• 8	. 2	. 1								1.1	6.
NE	• 1	• 5						Ī				.6	3.
ENE	• 3	. 4	•1									.9	4.
ŧ	•1	• 3								ĺ		.4	4.
ESE	.4	• 3		1								.9	3.
SE	.8	• 5	.5	.2								2.0	5.
SSE	• 5	. 9	.9	.1	• 2	.1						2.7	7.
3	• 9	1.1	1.1	.3	• 3	•1						3.8	7.
55W	.6	• 6	.3									1.6	4.
sw	1.1	1.7	•2									3.0	4.
WSW	2.9	2.5	.4					,				5.8	3.
w	5.3	3.9	1.0									10.1	3.
WNW	3.2	2.4	1.1	1.5	•1	.1						8.4	6.
NW	2.2	2.2	1.3	1.5	2.2	1.6	. 3					11.2	12.
NNW	. 8	2.4	3,3	3.5	3.9	2.0	. 8	.5				17.2	15.
VARBL													
CALM	$>\!\!<$	$>\!\!<$	$>\!\!<$	>	> <	><	$>\!\!<$	>>	> <	><	> <	19.7	
	20.2	22.4	12.7	11.0	7.6	4.8	1.1	. 5	•			100.0	7.

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

930

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

							, ,	- U &					· ·	, , ,
STATION			STATIO	N MARE						YEAM				HORTH
						ALL WE	EATHER						0900	1-1100
							LASS						HOVE	8 (L.S.T.)
						601	IDITION							
ļ	SPEED (KNTS)	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	4) - 47	49 - 55	≥ 56		MEAN WIND
	DIR.	<u> </u>												SPEED
	N	1.0	1.5	2.0	4.1	1.8	• 9	• 3					11.6	12.5
	NNE	• 4	. 3	. 4									1.2	5.9
i	NE	. 4	• 5	+ 5									1.5	5.3
	ENE	•1	• 1								i		• 2	3.5
	E	• 3	• 2										• 5	3.6
	ESE	. 4	. 5	. 4]							1.4	5.5

DIK.		; I		t 1			i		1	1	SPEED
N	1.0	1.5	2.0	4.1	1.8	• 9	.3			11.6	12.5
HHE	. 4	. 3	. 4							1.2	5.9
NE	. 4	• 5	. 5							1.5	5.3
ENE	• 1	• 1								• 2	3.5
Ę	• 3	• 2								• 5	3.6
ESE	. 4	. 5	. 4							1.4	5.5
SE	. 4	1.1	. 6	. 3	• 1	.1				2.7	7.6
SSE	1.3	1.5	1.1	.6	• 2		• 1			4.8	7.5
\$	2.3	2.4	1.8	1.0	• 1	•2				7,7	6.6
\$\$W	1.7	1.4	. 3	• 1		•1				3.7	4.5
SW	1.3	1.0	. 5							2.8	4.4
W\$W	2.5	1.6	. 8							4.8	4.1
W	2.6	1.6	. 9							5.1	4.0
WNW	. 9	1.4	. 9	. 9	. 3	• 5				4.8	9.7
NW	. 8	1.8	1.4	1.8	1.7	2.4	1.3	.4		11.6	16.3
NNW	. 9	1.6	2.4	4.5	3.3	3.1	.9	•1		16.8	15.5
VARBL											
CALM	><	\times	> <	\times	><	><	><	> <	> <	18.7	
	17.2	18.6	14.1	13.3	7.6	7.3	2.6	. 5		100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625 ELLSWORTH AFB SD 73-82 WEATHER

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 · 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
н	1.6	2.7	3.2	5.7	2.3	• 5	. 1					16.1	11.
NNE	. 5	1.3	1.3	. 4	•1							3.7	7.
NE	- 5	. 9	• 2									1.6	4.
ENE	.6	. 4	• 2									1.3	4.
E	• 8	- 6	•2									1.6	4.
ESE	• 5	• 8	• •									1.7	5.
SE	• 2	1.2	1.5	.5	• 1							3.5	7.
SSE	1.1	2.4	3.3	2.3	. 5	•1						9.7	8.
5	4.1	3.0	3.7	1.2	•1	•1	• 1					12.3	6.
85W	• 4	1.0										1.4	4.
sw	• 4	.5	. 3	• 1								1.4	5.
WSW	•2		• 2	• 2								.6	7.
w	.8	• 3	. 4	. 3								1.8	5,
WNW	• 3	• 4	. 6	1.2	. 4	• 2						3.2	11.
NW	•1	. 8	1.4	1.7	3.1	3.1	1.3	• 2				11.7	19.
NNW	. 4	1.9	2.7	6.0	1.5	3.3	1.7	• 2				17.8	15.
VARBL												1	
CALM	><	$>\!\!<\!\!<$	><	><	><	><	$>\!\!<$	$>\!\!<$	$>\!\!<$	><	> <	10.4	
	12.7	18.2	19.8	19.7	8.2	7.4	3.2	, 4				100.0	10.

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC AND 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH AFB SD	73-82	DEC
STATION	STATION NAME	YEARS	MONYH
		ALL WEATHER	1500-1700
		ELK99	HOURE (L.S.Y.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	1.2	2.2	5.7	5.3	1.2	. 5						16.0	10.4
NNE	.6	. 6	1.2	.3	• i							2.9	6.
NE	. 4	• 5		• 2								1.2	5.
ENE	• 2	• 1	. 8									1.1	6.
3	. 8	. 9	.8									2.4	5.
ESE	• 5	. 8	.1									1.4	4.
SE	1.4	2.0	1.2	• 4	. 4							5.5	6.
SSE	2.2	3.0	1.3	• 5	• 5							7.5	6.
8	2.2	2.9	1.6	. 8	• 2	• 5						7.9	6.
55W	1.1	. 8	. 3									2.2	3.
SW	. 4	. 4							[. 9	3.
wsw	. 4	• 6	•1	• 3		•1						1.6	7.
w	1.3	1.1	.6	• 5	. 2	• 1						3.9	6.
WNW	.5	1.1	1.0	. 3		• 2						3.1	7.
NW	• 9	1.4	1.8	2.9	1.7	1.7	• 5	•1				11.1	14.
NNW	. 5	2.2	3.2	2.9	3.9	1.8						15.3	14.
VARBL													
CYTW	><	><	> <	><	><	><	><	><	><	><	><	16.1	
	14.6	20.6	19.7	14.5	8.3	9.7	1.3	•1				150.0	8.

TOTAL NUMBER OF OBSERVATIONS 929

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ELLSWORTH AFB SD 726625 73-82 1800-2000 ALL WEATHER

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	. 8	1.3	2.3	3.0	. 6	. 4						8.4	10.
NNE	• 1	• 3	.4	•2								1.1	8.
NE	•1	• 9	. 4									1.4	6.
ENE	. 3	• 6	• 2									1.2	4.
E	• 4	• 6	.4									1.5	5.
ESE	.4	. 6	• 2	.1								1.4	5.
SE	• 6	.6	.5	. 3	• 1							2.3	7.
SSE	1.5	1.8	.6	. 4	.4				T			4.9	6.
S	1.4	2.2	1.9	.4	• 3							6.3	6.
SSW	.8	• 4	.3						ļ			1.5	4
sw	1.0	. 8	• 2	.1								2.1	4.
wsw	2.3	1.7	. 4	• 2		• 1						4.8	4.
w	4.2	4.3	1.1	. 1	• 1	• 1						9.9	4.
WNW	2.6	1.9	1.3	.5	• 1	• 2						6.7	5.
NW	1.6	2.5	1.9	2.3	1.4	1.1	• 3			[11.1	11.
NNW	.6	1.9	2.7	4.8	2.5	2.1	. 9					15.4	14.
VARBL													
CALM	$\supset <$	> <	> <	$>\!\!<$	$>\!\!<$	$>\!\!<$	\times	$>\!\!<$	$\supset <$	$>\!\!<$	$> \le$	20.1	
	18.8	22.7	15.1	12.5	5.6	4.0	1.2					100.0	6.

TOTAL NUMBER OF OBSERVATIONS

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH AFB SD	73-82	DEC
STATION	SYATION NAME	YEARS	MONTH
		ALL WEATHER	 2100-2300
		CLASS	 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 54	*	MEAN WIND SPEED
N	•2	1.4	3.1	3.2	1.4	•6	• 1					10.1	12.0
NNE		• 2	• 3	• 1								. 8	7.4
NE		. 4	• 3									. 8	5.
ENE	• 2		• 3									. 5	5.
ŧ	. 4	• 5	. 8									1.7	5.
ESE		. 8	• 3									1.1	5.
SE	+5	• 6	1.0	1.0								3.1	8.
88E	.8	1.1	.6	1.0								3.5	7.
\$	1.1	2.2	1.9	. 8	. 3							6.3	6.0
58W	•6	. 8	• 1	. 1								1.6	4.4
SW	1.2	1.1	. 6									2.9	4.
WSW	2.9	2.0	•1	. 3								5.4	4.
W	4.6	5.0	1.1	. 4								11.1	4.
WHW	2.6	4.0	1.3	1.0	• 1	•1						9.1	5.0
NW	1.3	1.5	1.8	1.4	1.4	1.1	• 5					9.1	12.
NNW	1.0	1.9	3.5	4.4	2.5	1.9	5					15.7	13.0
VARBL													
CALM	\times	\times	\mathbb{X}	\times	$>\!\!<$	> <	\times	\times	> <	><	$\supset \subset$	17.3	
	17.6	23.5	17.3	13.7	5.7	3.8	1.2					100.0	_ 7.7

TOTAL NUMBER OF OSSERVATIONS 927

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM AND DESOCRE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH AFB SD	73-82		DEC
STATION	STATION NAME		YEARS	MOSTH
		ALL WEATHER		ALL
		CLASE		HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 8	1.8	2.9	3.8	1.3	• 5	•1	•0				11.3	11.
NNE	• 3	• 6	.7	•2	• 0							1.8	7.
NE	. 3	• 5	.2	•0								1.1	5.
ENE	٠ 3	• 3	• 2									.8	4.
ŧ	• 5	• 6	. 3									1.4	4.
ese	, 4	.7	• 2	• 0								1.4	4.
SE	•6	. 9	.7	. 5	•1	•0						2.9	7.
85E	1.1	1.6	1.3	. 9	•2	•0	•0					5.1	7.
\$	1.8	2.1	1.8	.7	• 2	• 1	۰0					6.7	6.
55W	1.0	. 8	•2	.0		.0						2.0	4.
sw	1.0	1.0	• 3	.0								2.3	4.
WSW	1.9	1.7	. 4	.1		•0						4.1	4.
w	3.7	3,3	1.0	•2	.0	•0						8.3	4.
WNW	2.1	2.1	1.0	. 8	• 2	• 2						6.5	6.
кw	1.2	1.7	1.7	2.0	1.9	1.8	• 7	• 1				11.1	14.
NNW	.8	2.0	3.1	4.3	2.8	2.3	• \$.2				16.4	14.
VARBL													
CALM	><	$>\!\!<$	\searrow	$>\!\!<$	><	><	$>\!\!<$	\mathbb{X}	$>\!\!<$	\times		17.1	
	17.6	21.6	16.1	13.7	6.8	5.0	1.7	.3				100.0	7.

TOTAL NUMBER OF OSSERVATIONS 7431

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS IDITIONS OF THIS FORM ARE OBSOLETE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726625	ELLSWORTH AFB SD	73-82	ALL
STATION	STATION NAME	YTARS	Menya
	·	ALL WEATHER	ALL
	*	ELA10	HOUSE (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	. 8	2.0	3.5	3.5	1.0	• 3	• 1	.0	.0			11.2	10.
NNE	. 4	• 9	. 9	. 4	•0	•0						2.6	7.
NE	. 3	. 7	• 5	• 1	•0	.0						1.6	6.
ENE	. 4	• 7	.4	. 1	.0	• 0	•0				1	1.6	5.
ŧ	•6	1.1	. 8	• 3	•0	.0						2.8	6.
ESE	• 4	• 8	. 9	. 4	• 0	• 0	•0					2.6	7.
SE	• 6	1.4	1.6	1.1	• 2	• 0	. C					4.9	8.
SSE	.9	2.0	2.6	2.4	.6	•1	•0					8.7	9.
\$	1.4	2.6	2.4	1.9	. 6	• 2	•0	•0				9.2	8.
55W	.8	• 8	. 3	• 1 •	•0	• 0	.0					2.1	5.
3W	.9	• 9	• 2	. 1	•0	•0						2.1	4.
WSW	1.4	1.2	. 3	• 2	.0	•0	•0					3.1	4.
w	2.7	2.5	.7	. 3	• 1	•0	•0	•0				6.2	4.
WNW	1.5	1.6	. 6	• 4	• 2	•1	.0	•				4.6	6.
NW	. 8	1.8	1.8	1.9	1.3	1.1	,5	•1	•0			9.4	13.
NNW	•6	1.7	3.1	4.5	2.7	1.6	• 5	.2	.0	• 0		14.9	14.
VARBL		• 0										.0	5,
CALM	><	><	\searrow	$>\!\!<$	> <	> <	> <	$>\!\!<$	$>\!\!<$	> <	$\overline{}$	12.3	
	14.7	22.7	20.8	17.7	6.8	3.6	1.1	. 3	•0	.0		100.0	A.

TOTAL NUMBER OF DESERVATIONS 87623

USAFETAC FORM (I-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

AND/OR VSBY 1/2 TO 2-1/2 HI W/CIG 200 FT OR MORE

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	. 8	3.1	6.8	7.6	2.7	1.0	. 3	•1				22.4	11.9
NNE	• 5	1.8	2.7	1.3	• 1							6.4	8.0
NE	• 4	1.4	1.5	. 4							Ī	3.7	6.9
ENE	.4	1.1	1.0	.4	• 1	•0						2.9	7.1
E	. 5	1.8	2.0	.9	• 2							5.6	7.8
EŞĒ	.6	1.0	2.1	1.0	• 2	•0	•0					5.0	8.5
SE	•5	1.8	2.8	2.3	.4	•0	•0					7.9	9.4
SSE	• 6	1.4	2.5	3.2	.9	.2						8.8	10.5
5	.7	1.1	1.2	1.0	. 4	• 3	•0	.0				4.8	10.0
\$5W	•2	• 2	11	.0								• 5	4.5
5W	.2	• 0	-0	.0								• 3	3.9
wsw	•1	•1	•0					·				• 3	3.5
w	• 2	+2	• 0									1 .4	3.8
WNW	• 2	• 2	• 1	.1		•0	•0					.7	8.5
NW	. 3	.6	.7	. 8	. 8	1.8	1.0	.3	•0			6.4	19.2
NNW	.5	1.3	3.1	5.0	4.1	3.4	1.2	• 3	•0			18.8	16.5
VARBL												1 - 3 - 3	
CALM	$\geq \leq$	$>\!\!<$	> <	$>\!\!<$	$>\!\!<$	> <	$>\!\!<$	>>	$\geq \leq$	>	\geq	5.3	
	7.0	17.0	26.6	23.9	9.9	6.7	2.7	.7	•0			100.0	11.1

TOTAL NUMBER OF OBSERVATIONS 6306

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

US AIR FORCE
I TRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D

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CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three seto of tables are presented as follows:

- 1. Annual all years and all hours combined
- 2. By month all years and all hours combined
- 3. By month by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of setals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modificated in the ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be electrated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Reginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEIL	ING							VIS	IBILITY (ST	ATUTE MI	LES)						
(FE		≥ 10	126	≥ 5	≥ 4	≥ 3	≥ 2 ⅓	≥ 2	214,	≥ 1%	≥ 1	. ≥ %	≥ %	≥ y,	≥ 5/16	≥ ¼	≥ 0
40 C	EILING	\sim									\searrow					<u></u>	
	1800			<u> </u>		91.0											92.6
	1 200																
≥ ≥	900 800					•											
≥ ∠	700 600												,				
≥	500 · 400										97.4						98.
2	300 200																
≥ ≥	100					95,4		96.9			98.3		,				100

Read ceiling values independently of visibility under column at right headed \geq 0. For instance, from the table: Ceiling \geq 1500 feet = 92.6%. Ceiling \geq 500 feet = 98.1%. EXAMPLE # 1

Read visibilities independently of ceilings on bottom line opposite \geq 0. From the table: Visibility \geq 3 miles = 95.4%. EXAMPLE # 2 Visibility > 2 miles = 96.9%. Visibility > 1 mile = 98.3%.

To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling \geq 1500 feet with visibility \geq 3 miles = 91.0%. EXAMPLE # 3

ADDITIONAL EXAMPLES

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.

Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of \geq 1500 feet with \geq 3 miles, subtracted from 97.4 read from the table at the intersection of \geq 500 feet with \geq 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations neet the criteria: "ceiling \geq 500 feet with visibility \geq 1 mile, but < 3 miles; or ceiling \geq 500 feet, but < 1500 feet with visibility \geq 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

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CEILING VERSUS VISIBILITY

726625 ELLSHORTH AFB SD

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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CHUNG							V15	BUITY ST	ATOTE MIL	15		\ <u></u>				
FEET	≥10	≥6	≥ 5	≥ 4	23	22.	27	٠ : ج	≥!.	≥1	≥ ••	≥`•	2 .	25 16	2.	≥0
NO CEIUNG ≥ 20000	64.0	64.8	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.4		
≥ 18000 ≥ 16000	68.3 68.3	69.5	69.5	69.8 69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	70.0	70.0 70.0	70.0 70.0
≥ 14000 ≥ 12000	69.4 70.3	70.5 71.6	70.5 71.6	70.9 71.9	70.9 71.9	70.9	70.9	70.9 71.9	70.9 71.9	70.9	70.9 71.9	70.9	70.9	71.1 72.2	71.1	71.1 72.2
≥ 10000 ≥ 9000	73.8 74.4	75.1 75.7	75.1 75.7	75.4 76.0	75.4 76.0	75.4 76.0	75.4 76.0	75.4	75.4 76.0	75.4 76.0	75.4 76.0	75.4 76.0	75.4 76.0	75.6 76.2	75.6 76.2	75.6
≥ 8000 ≥ 7000	75.5	77.2 79.0	77.2 79.0	77.5 79.4	77.5	77.5 79.4	77.5	77.5 79.4	77.5	77.5 79.4	77.5 79.4	77.5 79.4	77.5	77.7 79.6	77.7 79.6	77.7 79.6
≥ 6000 2 5000	79.0 80.4	80.9 82.3	80.9 82.5	81.2 82.9	81.3	81.3 83.2	81.3	81.3	81.3 83.2	81.3	81.3	81.3 83.2	81.3	81.5	81.5	81.5 83.4
≥ 4500 ≥ 4000	80.5	83.4	82.7	83.2	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.8	83.8	83.8
≥ 3500 ≥ 3000	81.9	84.2	84.9	85.6	86.1	86.1	86.1	86.2	86.2	86.2	86.2 87.4	86.3	86.3	86.6	86.6 87.7	86.6
≥ 2500 ≥ 2000	84.4	86.0	86.9	87.5	88.4	89.4	89.4	89.9	88.5	90.1	88.5 90.1	90.2	90.2	90.4	90.4	90.4
≥ 1800 ≥ 1500 ≥ 1200	84.7 85.1 85.6	87.6	89.1	89.4	90.3	90.3	90.3	90.4	90.4	90.6	90.6	90.8	90.8	91.0	91.4	91.0
≥ 1000 ≥ 900	86.1	89.2 90.1	90.3	90.3 91.1 91.9	91.3 92.4 93.2	91.4 92.5 93.3	91.4 92.5 93.3	91.5 92.4 93.4	91.5 92.6 93.4	91.7 92.8 93.7	91.7 92.8 93.7	91.8	91.8 93.0 93.9	92.0 93.2 94.1	92.0 93.3 94.2	92.0 93.3 94.2
≥ 800 ≥ 700	87.6	91.1	92.3	93.0	94.3	94.4	94.4	94.5	94.5	94.7 95.5	94.7	95.2	95.3	95.5 96.3	95.6	95.6 96.5
≥ 600 ≥ 500	88.5	92.0	93.2	94.0	95.3	95.5	95.5 96.1	95.8	95.8 96.5	96.0 96.7	96.0	96.5 97.1	96.7	96.9	97.0	97.0 97.8
≥ 400 ≥ 300	89.0	93.2	94.4	95.2	96.5	96.7	96.7 97.0	97.0	97.0	97.2 97.5	97.2 97.5	97.6	98.0 98.3	98.3	94.5	98.5 98.8
≥ 200 ≥ 100	89.1	93.5	94.9	95.7	97.1	97.3	97.3	97.7	97.7	98.0 98.0	98.0	98.5	98.8	99.1		99.7
<u> </u>	89.1	93.5	94,9	95.7	97.1	97.3	97.3	97.7	97.7	78.0	98.0	98.5	91.4		99.51	

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC 101.64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLE

CEILING VERSUS VISIBILITY

726625 ELLSHORTH AFB SO

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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CFILING							V15	IBILITY ST.	ATUTE MIL	E5						
FEET	≥ 10	≥6	≥ 5	≥ 4	≥ 3	≥27	≥ 2	≥ì∵.	≥1.4	≥1	≥ '4	≥ ′•	2	≥5 16	2.	≥0
NO CEIUNG 20000	62.2	63.0	63.1	63.1	63.1	63.1	63.1 70.2		63.1 70.2	63.1	63.1 70.2	63.1	63.1	63.1	22721	
≥ 18000 ≥ 16000	69.0	69.9 70.0	70.2 70.3	70.2 70.3	70.2 70.3	70.2 70.3	70.2 70.3	70 · 2	70.2 70.3	70.2 70.3	70.2 70.3	70.2 70.3	70.2 70.3	70.2 70.3	70.2 70.3	70.2
≥ 14000 ≥ 12000	69.8 70.6	70.6	71.0	71.0	71.0 71.8	71.0 71.8	71.0 71.8	71.8	71.0	71.0 71.8	71.0 71.8	71.0	71.0	71.0	71.0 71.8	71.8
≥ 10000 ≥ 9000	73.9 73.9	74.7	75.1 75.1	75.1 75.1	75.1 75.1	75.1 75.1	75.1 75.1	75.1 75.1	75.1 75.1	75.1 75.1	75.1 75.1	75.1 75.1	75.1 75.1	75.1 75.1	75.1 75.1	75.1 75.1
≥ 8000 ≥ 7000	75.1 76.2	75.9	76.2 77.5	76.2 77.5	76.2 77.5	76.2 77.5	76.2 77.5	76.2 77.5	76.2 77.5	77.5	76.2	76.2 77.5	76.2 77.5	76.2 77.5	76.2 77.5	
≥ 6000 ≥ 5000	78.4	79.5	79.8	79.8	79.8	79.8 81.6	79.8	79.8	79.8	79.8 81.7	79.8 81.7	79.8	79.8	79.8	79.8	79.8
≥ 4500 ≥ 4000	80.8	81.9	82.3	82.3	82.3	82.3	82.4	82.4 83.7	82.4	83.8	82.5	82.5	82.5	82.5	82.5	82.5
≥ 3500 ≥ 3000 ≥ 2500	82.3	83.9	85.7	85.9	86.2	84.6	86.3	86.3	26.3	86.5	86.5	86.5	86.5	86.5	84.8	84.8
≥ 2000 ≥ 1800	85.2	87.7	88.6	88.8	89.4	89.4	89.5	89.5	89.5	89.6	89.6	89.6	89.6	89.6	88.3 89.6 89.7	88.3
≥ 1500 ≥ 1200	85.6	88.3	89.1	99.5	90.0	90.1	90.4 91.4	90.4	90.4 91.6	90.5	90.5 91.9	90.5	90.5	90.5 91.9	90.5	90.7 90.5
≥ 1000 ≥ 900	88.0	90.8	91.6	92.5	92.6	92.7	93.1 93.5	93.1 93.5	93.2	93.3	93.5	93.5 94.0	93.5	93.5	93.5 94.0	93.5
≥ 800 ≥ 700	88.4	91.5	92.4	92.8	93.5	93.7	94.1	94.1	94.2	95.3	99.7	94.9	94.9	95.9	94.9	94.9
≥ 600 ≥ 500	89.2	92.6	93.5	94.1	94.8	94.9	95.5	96.3	96.5		94.8	97.0 97.4	97.3	97.3	97.3	97.3
≥ 400	89.8	93.9	94.9	95.5 95.5	96.2	96.3	96.9	97.4	97.5	97.7	78.4	98.5	98.9	98.9	98.8	98.9
≥ 200	89.8	93.9	95.1	95.6	96.5	96.6	97.1	97.7	97.8	98.2	98.7	99.0	99.7	99.7	99.8	
≥ 0	89.8	93.9	95.1	95.6	96.5	96.6	97.1	97.7	97.8	98.2	98.7	22.0	97.8	99.8	99.8	00.0

AL MILIMPER OF ORCERVATIONS 910

USAF ETAC 101.04 0-14-5 (OL 4) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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CEILING) :						V15	BILITY ST.	ATUTE MILI	£5						
1881	≥10	≥ 6	≥ 5	≥ 4	≥3	≥2 :	≥ 2	≥ 1 /	2: •	≟ 1	≥'•	≥ .	≥ .	25 10	3.4	≥0
NO CEIUNG ≥ 20000	54.8 62.6	55.5 63.2	55.6 63.5	55.6	55.6	55.6	55.6	55.7 63.7	55.7 63.7	55.7 63.7	55.8	55.8	55.8	55.8	55.8	55.6
≥ 18000 ≥ 16000	62.9 63.1	63.5	63.9 64.1	63.9	63.9	63.9	63.9	64.0 64.2	64.0 64.2	64.0	64.3	64.1	64.1	64.3	64.1	64.
≥ 14000 ≥ 12000	63.7	64.3	64.6	64.6	64.6	64.6	64.6	64.7	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.
≥ 10000 ≥ 900u	71.1 71.4	71.8	72.2 72.5	72.2	72.4 72.7	72.6	72.6 72.9	72.7 73.0	72.7 73.0	72.8	72.9 73.2	72.9	73.0 73.3	73.0	73.0 73.3	73.1
≥ 8000 ≥ 7000	74.2 75.4	74.9	75.3 76.6	75.3 76.6	75.5 76.8	75.7 77.0	75.7 77.0	75 · 8 77 · 1	75.8 77.1	75.9 77.2	76.0 77.3	76.0 77.3	76 • 1 77 • 4	76.1 77.9	76.1 77.4	76.5
≥ 6000 ≥ 5000	77.0 78.8	77.8	78.3 80.3	78.3 80.3	78.5 80.5	78.7 80.8	78.7 80.8	78.8 80.9	78.8	78.9 81.0	79.0 81.1	79.0	79.1	79.1 81.2	79.1	79.1
≥ 4500 ≥ 4000	79.0 80.6	79.9 82.0	80.6	80.6	80.9	81.1	81.1	81.2	81.2 83.5	81.3	81.4	81.4	81.9	81.5	81.5	81.5
≥ 3500 ≥ 3000	81.2 83.1	82.7	83.5 85.8	83.7 86.2	83.9	84.1 87.0	84.1	84.2	84.2	84.3	84.4	84.4	84.5	84.5 87.5	84.5	84.
≥ 25 00 ≥ 200 0	83.5	86.1	86.3 87.2	86.8 87.7	87.4	87.6	87.7	87.8	87.8	88.0	88.1	88.1	88.2 89.4	88.2 89.4	88.2	88.2
≥ 1800 ≥ 1500	84.2	86.1	87.2 87.7	87.7	88.4	88.6	88.9	89.1	89.1	89.2 90.0	89.4 90.1	90.1	90.3	89.5 90.4	89.5 90.4	89.1 90.1
≥ 1200 ≥ 1000	85.8	88.5	90.0	91.0	90.6	90.9	92.8	93.0	91.7 93.1	91.9	93.4	93.4	92.5	92.6 94.0	92.6 94.0	92.0
≥ 900 ≥ 800	86.3	88.6	90.1	91.1	91.9	92.2	93.1	93.1	93.2	93.4	93.5	93.5	94.2	94.3	94.3	94.3
≥ 700 ≥ 600	86.5	89.5	90.6	91.7	92.7	92.9	93.8	94.2	95.3	94.6	94.8	94.8	95.5	95.7	96.8	96.0
≥ 500 ≥ 400	86.7	89.6	91.4	93.0	93.5	93.8	95.2	95.3	95.6	95.9	96.2	96.3	97.8	97.2	98.2	97.9 98.
≥ 300 ≥ 200	86.9	89.9	91.9	93.2	94.4	94.5	95.4	96.2	96.7	97.2	97.5	97.7	98.1	98.3	98.7	98.6
≥ 100 ≥ 0	86.9	89.9	91.9	93.2 93.2	94.7		95.8	96.8	97.2	97.5 97.5	97.8	98.1	98.9		99.41	

TOTAL NUMBER OF OBSERVATIONS___

USAF ETAC 101 04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLÉTE

CEILING VERSUS VISIBILITY

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

							VI\$	BILITY ST	ATUTE MIL	ES			· · · · · · · · · · · · · · · · · · ·			
CERUNG FEET	≥10	۵≤	≥ 5	≥4	≥ 3	≥2 7	≥ 2	≥1,	≥1.	≥1	24	≥`.	2:	≥5 15	2.	≥0
NO CEIUNG	54.0	54.0	54.5	54.7	55.2	55.3	55.5	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 20000	60.6	61.0	61.5	61.8	62.3	62.4	62.6	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 18000 ≥ 16000	61.4	61.4	61.9	62.3	62.7 63.0	62.8	63.0 63.3	63.3	63.3	63.3 63.7	63.3	63.3	63.3 63.7	63.3	63.3	
≥ 14000	63.2	63.5	44.1	64.4	44.0	64.9	65.2	65.5	65.5		45 5	48 5				
≥ 12000	66.0	66.3	67.1	67.4	68.1	68.2	68.4	68.7	68.7	65.5	68.7	65.5	68.7	65.5	65.5 68.7	65.5
≥ 10000	72.7	73.1	73.9	74.2	74.8	74.9	75.3	75.6	75.6	75.6	75.6	75.6	75.6	75.6		
≥ 9000	73.5	74.0	74.7	75.1	75.7	75.8	76.1	76.5	76.5		76.5	76.5	76.5	76.5		76.5
≥ 8000	76.7	77.3	78.1	78.4		79.1	79.5	79.8	79.8	79.8	79.8	79.8		79.8	79.8	79.8
≟ 7000	77.4	78.2	79.1	79.5	80.1	80.2	80.6	81.1	81.1	81.1	81.1	81.1	81.1	81.2	81.2	81.2
≥ 6000	78.2	79.1	80,1	80.4	81.1	81.2	81.6	82.0	82.0		82.0	82.0	82.2	82.3	82.3	82.3
⊵ 5000	80.1	81.1	92.0	82.4	83.0	83.1	83.5	84.0	84.0	1	84.0	84.0		84.2	84.2	84.2
≥ 4500	80.1	81.1	82.0	82.4	83.0	83.1	83.5	84.0	84.0	84.0	84.0	84.0	84.1	84.2	84.2	84.2
≥ 4000	81.3	82.5	83.5	83.9	84.5	84.6	85.2	85.7	85.9	85.9	85.9	85.9	86.0	86.1	86.1	86.1
≥ 3500	81.8	83.0	84.2	84.5	85.4	85.5	86.0	86.6	86.8	86.8	86.8	86.8	86.9	87.0	87.0	87.0
≥ 3000	82.5	84.0	85.4	86.1	87.1	87.2	88.2	88.7	88.9	89.0	89.0	89.0	89.1	89.2	89.2	89.2
≥ 2500	82.7	84.3	85.7	86.5	87.4	87.5	88.5	89.0	89.2	89.5	89.5	89.5	89.6	89.7	89.8	89.8
≥ 2000	82.9	84.6	86.0	86.8	87.7	87.8	88.8	89.5	89.7	89.9	49.9	89.9	90.0	90.1	90.2	90.2
≥ 1800	83.0	84.7	86.1	87.0	88.0	88.1	49.0	89.7	89.9	90.1	90.1	90.1	90.2	90.3	90.4	90.4
≥ 1500	83.2	84.9	86.3	37.2	88.2	88.4	89.5	90.1	90.3	90.5	90.5	90.6	91.2	91.3	91.4	91.9
≥ 1200	83.7	85.5	87.0	87.8	88.8	89.0	90.3	91.3	91.5	91.7	91.7	91.8	92.6	92.7	1	92.8
≥ 1000	83.9	85.8	87.4	88.4	89.4	89.6	91.2	92.3	92.5	92.8	92.8	92.9	93.8	93.9	94.0	24.0
≥ 900 ≥ 800	83.9	85.8	87.4	88.4	89.4	89.6	91.2	92.3	92.5	92.8	92.8	92.9	93.8	93.9	94.0	94.0
	83.9	85.8	87.4	88.4		89.7	91.4	92.6	93.0		93.5	93.7	94.5	94.6	94.7	
≥ 700 ≥ 600	84.0	85.9	87.5	88.5	89.6	89.8	91.6	92.8	93.2	93.8	93.9	94.0		94.9	95.1	95.5
	84.1	86.0	87.6	88.7		90.0	92.2	93.3	94.1	94.9	95.1	95.2	96.0	96.1	96.2	
± 500 ≥ 400	84.1	86.0	87.7	88.9	90.0	90.2	92.4	93.7	94.4	95.4	95.7	95.8	96.7	96.8	96.9	
	84.1	86.0	87.7	55.9	90.1	90.3	92.7	94.0	94.9	96.0	96.3	76.6	97.6	97.7	97.8	
≥ 300	84.1	86.0	87.7	88.9	90.1	1	92.8	94.2	95.2	96.5	96.8	97.0	98.2	98.3	98.4	98.9
	84.1	86.0	87.7	88.9		90.3	92.8		95.2	96.6		97.1	98.5		78.9	
≥ 100 ≥ 0	84.1	86.0	87.7	- 1	90.1			94.2	95.2	76.6	96.9	97.1		78.7	98.9	
	84.1	86.0	87.7	88.9	90.1	90.3	92.8	94.2	95.2	96.6	96.9	97.1	98.5	94.7	94.91	00.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC 10: 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE COSOLETE

CEILING VERSUS VISIBILITY

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726625 ELLSWORTH AFB SD

73-82

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CHUNG							VIS	IBILITY STA	ATOTE MIL	ŧs.						
F E E T	≥10	≥6	≥ 5	≥4	≥ 3	2 .7 .	2.7	ا اح	. ا≤	21	٤.	₹,4	2 :	i≛5 '6	≩ .	≥٥
NO CEILING	55.1 62.7	55.4 63.0	55.8	56.0 63.7	56.D 63.7	56.0 63.7	56.D 63.7	56.0 63.7	56.0 63.7	56.1 63.8	56.1 63.8	56.1	56.1 63.8	56.1 63.8	56.1 63.8	56.1 63.8
≥ 18000 ≥ 16000	63.1 63.2	63.4	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.2 64.3	64.3	64.2	64.2	64.2	64.2	64.2
2 14000 ≥ 12000	65.4 67.8	65.7 68.5	66.1 69.1	66.3 69.5	69.5	66.3	66.3 69.5	64.3	66.3 69.5	69.6	69.6	66.5	66.6	66.6	66.6 69.7	66.6
≥ 10000 ≥ 9000	74.1	74.7 75.1	75.4 75.8	75.7 76.1	75.8 76.2	75.8 76.2	75.8 76.2	75.8 76.2	75.9 76.3	76.0 76.5	76.0 76.5	76.0	76.1 76.6	76.1 76.6	76.1 76.6	76.1 75.6
≥ 8000 ≥ 7000	76.6 78.1	77.4	78.2	78.7 81.0	78.8 81.2	78.8	78.8	78.8	78.9	79.0	79.0	79.0 81.6	79.1	79.1	79.1	79.1
≥ 6000 ≥ 500° ≥ 4500	79.2 80.1	80.5	81.5 82.5 83.0	83.3	83.5	83.5	83.8	83.8	82.7 83.9	84.0	83.0	84.2	83.3	84.5	83.3	84.5
≥ 4000 ≥ 3500	81.7	83.1	84.2	85.2 85.5	85.5	85.5	85.7	85.8	85.9	86.7	86.9	86.3 86.0	86.7 87.2	86.7	85.1 86.7 87.2	85.1 86.7
≥ 3000 ≥ 2500	83.2	85.1	86.3	87.2	87.6	87.7	88.5	88.4	88.5	88.7	88.9	88.9	89.5	89.2	89.2	89.2
≥ 2000	83.9	85.7	86.8	88.1	88.7	88.9	89.5	89.8	90.0	90.2	90.5	90.5	90.9	91.2	91.2	91.1
≥ 1500 ≥ 1200 ≥ 1000	85.1		87.7	89.2	90.1	90.0	90.6	91.0	91.5	91.5	91.8	92.4	92.4	92.6 93.1	92.6 93.2	93.2
2 900 ≥ 800	85.4		88.8	90.2	91.1	91.2	91.9	92.7	92.8	93.4	93.8	93.9	94.4	94.6	94.9	94.8
≥ 700 ≥ 600	85.4 85.4	87.5 87.5 87.8	88.8	90.2 90.2 90.5	91.1	91.2	91.9	92.7 92.8 93.1	93.3	93.9	94.8 94.8	94.9	95.4	95.8	95.5 96.1	95.5 96.1 96.7
≥ 500 ≥ 400	85.7 85.7	88.0	89.2 89.4	90.6	91.5	91.6	92.7	93.4	94.2	95.5	96.0	96.1	96.9	97.3		
≥ 300 ∴ 200	85.7 85.7	88.0	89.4	90.8 90.8	91.7	91.8	92.9	93.7 93.8	94.4	95.7 95.9	96.3	96.5	97.4 97.8	97.8		98.9
± 100 ≥ 0	1	88.0	89.4		91.7 91.7	1		1	- 1	95.9	1	96.7	97.8	98.4	99.0	99.8

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 101.64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING							V151	BILLIN ST	ATUTE MIL	FS						į
FEET-	≥10	≥6	≥ 5	≥4	23	≥2 ;	≥ 2	≥1.	<u>≵</u> 1.₄	21	≥ ¼	۰, ≼	2 /	± 5 16	≥ .	≥0
NO CEILING ≥ 20000	56.9 64.7	57.4 65.3	57.5 65.4	57.8 65.7	57.8 65.7	57.8 65.7	57.8 65.7	57.8 65.7	57.8 65.7	57.8 65.7	58.0 65.8	58.0 65.8	58.1 65.9	58.1 65.9	58.1 65.9	58•2 66•0
≥ 18000 ≥ 16000	64.9 65.3	65.5 65.8	65.6 65.9	65.9 66.2	65.9	65.9	65.9 66.2	65.9 66.2	65.9	65.9 66.2	66.0 66.3	66.3	66.1 66.5	66.1	66.1	66.2 66.6
≥ 14000 ≥ 12000	66.5 70.0	67.1	67.3 70.9	67.6 71.2	67.6	67.6 71.2	67.6	67.6 71.3	67.6 71.3	67.6 71.3	67.8 71.5	67.8	68.0 71.6	68.0 71.6	68.0 71.6	68.1 71.7
≥ 10000 ≥ 9000	76.5 77.0	77.1 77.6	77.3 77.8	77.6 78.3	77.6	77.6 78.3	77.7 78.4	77.7 78.4	77.7 78.4	78.0 78.6	78.2 78.8	78.2 78.8	78.3	78.3 78.9	78.3 78.9	78.4 79.0
≥ 8000 ≥ 7000	79.2 81.1	80.0	80.4 82.4	80.9	80.9	80.9	81.0 83.0	81.1	81.1	81.3	81.5	81.5	81.6	81.6	81.6	81.7
≥ 6000 ≥ 5000	81.8 82.4	82.6	83.1	83.7	83.8	83.8	83.9	84.0	84.0	84.2	84.7	84.7	84.9 86.0	84.9	85.1	85.2
2 4500 ≥ 4000	82.6	83.3	84.1	84.6	84.8	84.8	85.1	85.2	85.2	85.4	86.D	86.0	86.2	86.2	86.3	86.5
≥ 3500 ≥ 3000	83.4	84.3	85.2 86.1	85.7 86.7	85.9	85.9	86.1	86.2	86.2	86.5	87.1	87.1	87.3	87.3	87.4	87.5
≥ 2500 ≥ 2000	84.5 85.1	85.6	86.7	87.3	87.6	87.7	88.D	88.3	88.3	88.5	89.1	89.1	89.4	89.4	89.5	
≥ 1800 ≥ 1500	85.3	86.8	88.0	88.6	88.9	89.0	89.2	89.6	89.6	89.9	90.6	90.6	90.9	90.9	91.0	
≥ 1200 ≥ 1000	86.5	88.1	89.5	90.4	90.8	90.9	91.3	91.6	91.7	92.2	92.9	92.9	93.1	93.1	93.3	93.5 95.2
≥ 900 ≥ 800	86.8	88.6	90.0	91.1	91.5	91.6 91.7	92.2	92.5	92.7	93.2	94.0	94.3	94.8	94.9	95.5	95.8
≥ 700 ≥ 600	87.0 87.1	88.8	90.2	91.3	91.7	91.8	92.6	93.0	93.3	94.1	95.1	95.4	96.0	96.1	96.7	97.0
2 500 2 400	87.1	89.1	90.6	91.8 92.0	92.4	92.5	93.2	93.8	94.2	95.3	96.5	96.8	97.6	97.7	98.4	98.8
2 300 2 200	87.2 87.2	89.4	90.9	92.0	92.6	92.7	93.5	94.1	94.6	95.7	96.9	97.2	98.1	98.2	98.8	99.2
, 100 2 U	87.2 87.2	89.4	90.9	92.0	92.6	92.7	93.7	94.2		96.0		97.6		98.6		00.0

TOTAL NUMBER OF OBSERVATIONS_

USAF ETAC 101 04 0-14-5 (QL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD STATION NAME

73-82

PERCENTAGE FREQUENCY OF OCCURRENC'(FROM HOURLY OBSERVATIONS)

18/47-2000

CEILING							VIS	1811117 51	ATUTE ME	F S						
1334	≥10	ه≲	≥ 5	≥4	≥3	≥2:	± 7	≥':	≥1.	≥1	≥ 1•	≥`₁	≥ -	> 5 1 5	2	20
NO CEILING ≥ 20000	56.7 65.4	57.0 65.7	57.1 65.8	57.4 66.1	57.4 66.1	57.4 66.1	57.4 66.1	57.7 66.5	57.8	58.0 66.7	58.0 66.7	56.3	58.0	50.0	59.0	58.0
≥ 18000 ≥ 16000	66.1	66.3	65.5 66.6	66.8	66.8	66.8	66.8	67.1 67.2	67.2	67.3	67.3	17.3	57.3	67.3	67.3	67.3
≥ 14000 ≥ 12000	66.7 69.0	67.0 69.6	67.1	67.4 70.0	67.4	67.4	67.4 70.0	67.7 70.3	67.8	68.0 70.5	68.0 70.5	68.3	68.0 70.5	5 i e ii 70 e ii	60.5	58 - 3 74 - 5
≥ 10000 ≥ 9000	74.2 74.8	74.7 75.4	74.8	75.2 75.8	75.2 75.8	75.2 75.8	75.2 75.8	75.5 76.1	75.6 76.2	75.7 76.3	75.7 76.3	75.7 76.3	75.7 76.3	75. / 76.3	75.7 76.3	75.7 76.3
≥ 8000 ≥ 7000	76.8 78.8	78.0 80.4	78.1 80.5	78.5 81.0	78.5	78.5 81.0	78.5 81.1	78.8 81.4	78.9 81.5	79.0 81.7	79.0 81.7	79.0	79.0 81.7	79.0 81.7	79.0 81.7	79.0 81.7
≥ 6000 1 5000	80.4	82.0	82.2	82.6 83.9	82.6	82.6	82.7 84.0	83.0	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4500 ≥ 4000	82.0	83.9	84.0	84.4	84.4	84.4	84.5	84.8	84.9	86.3	85.2	85.2	85.2	85.2	85.2	85.2
2 3500 2 3000	83.2	85.3	85.5	85.9	85.9	85.9	86.0	86.5	86.6	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 2500 ≥ 2000	84.6	87.1	87.6	88.1	88.7	88.7	88.9	89.4	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1800 ≥ 1500	85.6	88.7	89.2	89.7	90.3	90.3	90.6	91.1	91.2	91.4	91.4	91.4	91.5	91.5	91.5	91.5
≥ 1200 ≥ 1000	67.3 87.7	91.0	91.7	92.4	93.1	93.1	93.4	93.9	94.0	94.2	94.2	94.3	94.5	94.5	94.5	94.5
≥ 900 ≥ 800	88.0	91.7	92.5	93.3	94.1	94.1	94.4	94.9	95.1	95.6	95.6	95.7	96.1	96.1	96.1	96.1
≥ 700 ≥ 600	88.6	92.4	93.1	94.0	94.7	94.9	95.3	96.0 96.1	96.1	96.7	96.7	76.8	97.4	97.4	97.4	97.4
± 500 ≥ 400	88.7	92.6	93.3	94.2	95.1 95.3	95.3 95.5	95.6	96.7	96.8	97.3	97.3	97.4	98.1	98.1	98.1	98.2
2 300 2 200	88.7	92.7	93.4 93.4	94.4	95.3 95.3	95.5	95.8	97.1	97.3	98.0 98.4	98.0	98.1	98.8	98.8	98.8	98.9
≥ 100 ≥ 0	88.7	92.7	93.4	94.4	95.3	95.5	96.D	97.4	97.7	98.4	98.4	98.5	99.2	99.2	99.4	99.9

DEP SHOULD DE DECENATIONS 97

USAF ETAC 100 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD

73-82

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING							VI\$	BILITY ST	ATUTE MILI	E S]
FEET.	≥10	≥6	≥5	≥ 4	≥ 3	32 5	≥ ?	≥1 .	21.4	≥1	2 4	≥.•	2.	≥5 16	2.4	≥0
NO CEILING ≥ 10000	62.2 67.4	63.3	63.3 68.6	63.3 68.6	63.4 68.7	63.4 68.7	63.4 68.7	63.4	63.4	63.4	63.4 68.7	63.4	63.7	63.7 68.9	63.7 68.9	63.8 69.0
00081 ≦ 00081 ≦	67.5 67.6	68.7 68.8	68.7 68.8	68.7 68.8	68.8	68.8 68.9	68.8 68.9	68.8	68.8	68.8	68.8	68.8	69.0 69.1	69.0	69.0 69.1	69.1 69.2
≥ 14000 ≟ 12000	68.6 70.3	69.8 71.7	69.8 71.7	69.8 71.7	69.9 71.8	69.9 71.8	69.9 71.8	69.9 71.8	69.9 71.8	69.9 71.8	69.9 71.8	69.9 71.8	70.1 72.0	70.1 72.0	70.1 72.0	70.2 72.2
≥ 0000 ± 9000	73.5	74.9	74.9	74.9	75.1 75.8	75.1 75.8	75.1 75.8	75.1 75.8	75.1 75.8	75.1 75.8	75.1 75.8	75.1 75.8	75.3 76.0	75.3 76.0	75.3 76.0	75.4 76.1
± 6-000 ± 7000 ± 6000	75.8 78.1 83.0	77.4 79.8	77.4	77.4 79.8	77.5 79.9	77.5 79.9 82.0	77.5 79.9 82.0	77.5 79.9 82.0	77.5 79.9 82.0	77.5 79.9	77.5 79.9 82.0	77.5 79.9	80.1 82.3	80.1 82.3	80.1 82.3	77.8 80.2 82.4
: 5000 : 5000	81.4	83.4	83.5	83.9	84.1	94-1	84.1	84.2	84.2	84.1	84-1	84.1	84.3	84.3	84.3	84.5
, ± 4000 > 1500	81.9	84.2	84.4	84.7	85.3	35.3 86.2	85.3	85.3	85.3	86.2	86.2	85.3	85.5	85.5	85.5	85.6
2 3000 2 2500	84.3	86.9	87.8	87.4	88.9	88.1	88.9	88.9	88.9	88.9	88.9	88.1	88.3	88.3	89.2	89.4
2 1800 2 1500	86.0	88.8	89.2	89.7 90.0	90.6	90.6	90.9 91.2	90.9	90.9	90.9	90.9	90.9	91.5	91.5	91.2 91.5	91.6
≥ 1200 ≥ 1000	86.6 86.7 87.1	90.0 90.2 90.6	90.4 90.6 91.2	91.1	92.2	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.7	92.7	92.7	92.8
≥ 900 ≥ 800	87.4	91.4	92.0	92.5	93.7	93.7	94.1	94.1	94.1	94.5	94.5	94.5	94.8	94.8	94.8	94.3 95.2 95.9
≥ 700 ≥ 600	88.3	92.8	93.4	93.9	95.3	95.3	95.7 95.9	95.7	95.9	96.3	96.3	96.3	96.7 97.0	96.7	96.7 97.0	97.0
≥ 500 ≥ 400	88.5	93.1	93.8	94.2 94.4	95.9	95.9 96.5	96.3	96.6	96.8	97.3 97.8	97.3	97.3 97.8	97.6	97.6 98.2	97.6	98.1 98.7
± 300 ± 400	88.7	93.4	94.1	94.5	96.7	96.7	97.1	97.3	97.5	98.1	98.4	96.1 96.4	98.4	98.4	98.5	98.9
· '00' ;	88.7	93.5	94.3	94.7	96.9	96.9	97.4	97.6	97.8	78.4	98.4; 98.4;	78.4	98.9	98.9		100.0

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD 73-82 PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS) CHUNG

FEE:	≥10	≥6	≥ 5	≥ 4	≥3	1 : 2 .	≥ 2	21:	≥1.	≥1	≥ 1₂	≥`+	2	25 16	≥ 4	≥0
NO CEILING ≥ 20000	58.2 65.1														59.5 66.5	
≥ 18000 ≥ 16000	65.4	66.0	66.3	66.5	66.5	66.5	66.6	66.7	66.7	66.7	66.7	66.7	66.8	66.8	66.8 66.9	66.8
≥ 14000 ≥ 12000	66.6	67.3	67.6	67.8	67.8	67.8	67.9	68.Q	68.0	68.0	68.0	68.0	68.1	68.1	68.1 70.4	68.1
≥ 1000a ≥ 9000	73.7	74.5	74.8	75.0	75.2	75.2	75.3	75.3	75.4	75.4	75.5	75.5	75.6	75.6	75.5 76.1	75.6
≥ 8000 ≥ 2000				77.9 79.7											78.4 80.5	
5 2000 5 2000				81.3 82.8					81.7						82.1 83.8	
≥ 4500 ≤ 4000															84.1 85.6	
≥ 3500 ≥ 3000	83.4	85.3	86.1	86.7	87.3	87.3	87.6	87.8		88.0	88.1	88.1	88.2		88.3	84.3
≥ 2500 ≥ 2000	84.6		87.8	88.4	89.2	89.2	89.6	89.8	89.9	90.1	90.2	90.2	90.4	90.4	89.1 90.5	90.5
≥ 1800 ≥ 1500	84.8 85.4	87.8	88.8	89.5	90.3	90.4	90.8	91.0	91.1	91.3	91.5	91.5	91.7		90.7	
≥ 1200 ≥ 1000	85.9 86.4	89.0	90.2	91.0	91.9	92.0	92.6	92.9	92.0	93.4	93.6	93.7	94.1	94.2		94.3
2 900 ≥ 800	86.9	89.7	90.9	91.7	92.0	92.8	93.4	93,8	94.0	94.4	94.6	94.8	95.2	95.4	94.7 95.5	95.6
≥ 700 ≥ 600	87.3	90.3	91.5	92.4	93.4	93.5	94.3	94.8	95.1	95.7	96.0	96.1	96.7	96.8	96.3	97.1
2 500 2 400	87.5	90.8	92.1	93.0	94.1	94.3	95.1	95.8	96.2	96.8	97.2	97.4	98.0	98.2	97.7	28 . 6:
: 300 300 300 300	87.5	90.9	92.2	93.2	94.3	94.5	95.3	96.1	96.6	97.3	97.7	97.9	98.7	98.9	98.6	79.6
3 0	07.5	911.9	92.2	93.2	94.4	94.5	95.4	96.2	96.6	97.4	97.8	98.0	98.8	99.0	99.3	1 7 • 7 7

7440 TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 1.04 0-14-5 (OL A) PREVIOUS EDITIONS OF HIS FORM ARE OBJOILTE

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

០០០០ – ០១០០

CFILING							V15	BILITY -ST	ATUTE MIL	ES.						
FFET	≥10	≥6	≥ 5	≥4	≥ 3	≥2.	≥ ?	≥1,	≥1′•	≥1	≥ '₄	≥`1	≥ '.	≥5 16	2.	≥0
NO CEILING 2 20000	58.8 63.6	59.1 63.8		59.2 63.9			59.4	59.4 64.1	59 · 4	59.4	59.4	59.4 64.1	59.5	59.5	59.6	59.1
≥ 18000 ≥ 16000	63.6 63.6			63.9 63.9	64.0	64.0 64.0	64.1	64.1	64 • 1 64 • 1	64.1	64.1 64.1	64.1	64.3	64.3 64.3	64.4	64.
≥ 14000 ≥ 12000	63.7 64.9	63.9 65.1	63.9	64.0 65.2	64.1	64.1 65.3	64.3 65.4	64.3 65.4	64.3 65.4	64.3 65.4	64.3	64.3	64.4	69.4 65.6	64.5	64.
≥ 10000 ≥ 9000	66.6 66.7	67.1 67.2	67.1 67.2	67.2	67.3	67.3 67.5	67.5	67.5 67.6	67.5 67.6	67.5 67.6	67.5	67.5	67.6	67.6	67.7	67.
≥ 8000 ≥ 7000	68.5 69.5		69.0 70.1	69.1 70.2	69.2 70.3	69.2 70.3	69.3 70.4	69.3 70.4	69.3 70.4	69.3 70.4	69.3 70.4	69.3 70.4	69.5 70.5	69.5 70.5	69.6 70.7	69. 70.
≥ 5000 ± 5000	71.2 72.5	71.8 73.4	71.8 73.4	72.2 73.7	72.3 73.8	72.3 73.8	72.4	72.4 74.2	72.4 74.2	72.4 74.2	72.4 74.2	72.4 74.2	72.5 74.3	72.5 74.3	72.7 74.4	72.
≥ 4500 ≥ 4000	73.1 73.8	74.0 74.7	74.0	74.3 75.1	74.4	74.4 75.3	74.6 75.4	74 . 8	74.8 75.6	74.8 75.6	74.8 75.6	74.8 75.6	74.9 75.7	74.9 75.7	75.0 75.9	75. 76.
3500 2 3000	74.7 76.4	75.5 77.4	75.5 77.6		76.1 78.3	76.1 78.3	76.2 78.5	76.4 78.7	76.4 78.7	76.4	76.4 78.8	76.4	76.6 78.9	76.6	76.7 79.1	76. 79.
≥ 2500 ∴ 2000	77.4 77.6	79.4	79.6		79.5 80.4	79.5 80.4	79.8 80.6	80 • 1 81 • 1	80 - 1 81 - 2	80.2	80.2	80.2 81.3	80.4 81.4	80.4 81.4	80.5 81.5	80. 81.
≥ 1800 ≟ 1500	78.0 79.1	81.7		80.6 83.1	80.7	80.7	60.9 83.7	81.4 84.1	81.5	81.7	81.7	\$1.7 \$4.4	84.5	81.8	81.9	82.
± 1200 ≥ 1000	79.6	83.3	83.1	84.0	84.3	84.3	84.7	85.6	85.7 87.0		86.2	\$6.2 \$7.7	86.4	86.4 88.0	86.5	86.
≥ 900 ≥ 900	80.5	83.9 84.0	84.5	85.4	85.7 85.9	85.7 85.9	86.4	87.6 88.0	87.7	88.0	88.4	88.4	88.8	88.8	88.9	89.
± 700 ≥ 600	80.5	84.9	85.3	85.8	86.3	86.3	87.9					90.3	91.0		91.1	91.
5 500 5 400 2 300	80.9	85.4 85.4	85.8 86.3	86.9 87.3 87.6	87.6 88.0	87.6 88.0	89.0		91.6		92.7	92.7	94.8	93.4	93.6	
2 300 2 200 5 100	81.3	86.2	87.1 87.2	88.3	89.1	89.1	90.4	91.2 92.4 92.5	93.1	94.4	94.3 95.7 95.9	94.3	97.3		95.9	96.
· (00 · 0	81.3			88.4					93.3	94.6	95.9	95.9	97.4	97.4	97.9 97.9	

TOTAL NUMBER OF OBSERVATIONS_

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500

CEILING					. –		VIS	BILITY ST	ATHE MIL	Ę5						
FEET	≥10	≥6	≥ 5	≥.4	≥ 3	≥2:	≥ ?	≥1 ·	≥1.	≥:	≥ ′₄	≥ `•	≥ .	≥5 16	≥.*	≥0
NO CEILING ≥ 20000	57.3 62.2	58.2 63.0	58.3 63.1	58.5 63.4	58.5 63.4	58.5 63.4	58.5 63.4	58.7 63.6	58.7 63.6	58.9 63.7	59.0 63.8	59.0 63.8	59.0 63.8	59.0 63.8	59.2 64.1	59.2 64.1
≥ 18000 ≥ 16000	62.2	63.0 63.0	63.1 63.1	63.4 63.4	63.4 63.4	63.4	63.4	63.6	63.6 63.6	63.7 63.7	63.8 63.8	63.8	63.8	63.8 63.8	64.1	64.1 64.1
≥ 14000 ≥ 12000	62.2 62.8	63.0 63.6	63.1 63.7	63.4 63.9	63.4 63.9	63.4	63.4	63.6	63.6	63.7 64.3	63.8	63.8	63.8	63.8	64.1	64.1
≥ 10000 ≥ 9000	65.4 65.4	66.2	66.4	66.7 66.7	66.8	66.8	66.8	67.0 67.0	67.0 67.0	67.1 67.1	67.3 67.3	67.3	67.3 67.3	67.3 67.3	67.5 67.5	67.5
≥ 8000 ≥ 7000	67.4 68.8	68.3	68.6 70.2	68.8	68.9	68.9 70.6	68.9 70.6	69.1	69.1	69.3 70.9	69.4 71.0	69.4 71.0	69.4 71.0	69.4 71.0	69.6 71.3	69.6
≥ 6000 ≥ 5000	70.1 71.0	71.0	71.5 72.5	71.9 72.8	72.0	72.0	72.0	72.2	72.2	72.3	72.5	72.5	72.5 73.4	72.5	72.7 73.6	72.
≥ 4500 ≥ 4000	71.5	72.6	73.0 73.3	73.4 73.8	73.5 74.1	73.5	73.5 74.1	73.8	73.8 74.3	73.9	74.0	74.0	74.0	74.0 74.6	74.2	
≥ 3500 ≥ 3000	72.7 73.8	73.9	74.3 75.8	74.8	75.2 76.8	75.2 76.8	75.2 77.0	75.4	75.4 77.2	75.5 77.3	75.7 77.4	75.7	75.7	75.7	75.9 77.7	75.9 77.
≥ 2500 ≥ 2000	74.9 75.4	77.0 77.5	77.7	78.3 79.3	78.8	78.8	79.2	79.4	79.4	79.6	79.7 81.0	79.7	/9.8 81.1	79.8 61.1	80.0	
≥ 1800 ≥ 1500	75.4 76.6	77.7	78.8	79.4 81.0	80.1	80.1	80.5	80.9	80.9	81.0 83.1	81.1 83.2	81.1	81.2	81.2	81.4	81.
≥ 1200 ≥ 1000	77.7 78.3	80.6	81.9	82.6 83.5	83.7	83.8	84.5	85.1	85.1 86.2	85.3	85.7	85.7	85.8	85.8	86.1	86.
. 900 ≥ 800	78.3 78.4	81.8	83.1	83.9	85.0 85.2	85.1	86.2	86.8	87.1 87.5	87.6	87.9	87.9	88.1 89.0	88.1	88.3	88.
≥ 700 ≥ 600	78.7 79.1	82.3	83.6	84.5 85.5	85.4	85.8	87.0 88.1	87.8	88.3	88.9	89.6	90.7	90.2 91.5	90.2 91.5	90.4	90.4
2 500 ≥ 400	79.3 79.3	83.8	85.2 85.2	86.3	87.4	87.6	88.9	90.1 90.5	90.5 91.1	91.5 92.3	92.2 93.0	92.2 93.0	93.0 93.9	93.0 93.9	93.3	93.3
≥ 300 ≥ 200	79.4 79.4	84.2 84.4	85.6 85.8	86.6	88.1	88.3	89.6 90.2	91.0 91.6	91.6	92.8	93.6	93.6	95.2	95.2 96.3	95.4 97.0	95.5
≥ 100 ≥ 0	79.7	84.6	86.1	87.1	88.5	88.8	90.4	91.8	92.6	93.9	94.9	95.0	96.8	96.9	97.6	

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 10164 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

<u> 2600-0800</u>

CFILING							ViS	IBILITY ST.	ATUTE MIL	ES						
1931	≥10	≥6	≥ 5	≥ 4	≥ 3	≥?:	≥7	≥1.	≥1.	≥1	≥ '4	≶,•	٤.	≥ 5 16	٠ :	≥0
NO CEILING £ 20000	52.4 58.3	52.6 58.7	52.8 59.1	53.0 59.5	53.0 59.5	53.0 59.5	53.0 59.6			53.0 59.6	53.2 59.8	53.2 59.8	53.3 59.9	53.4 60.0		53.7 60.3
≥ 18000 ≥ 16000	58.5 58.5	59.0 59.0		59.7 59.7	59.7 59.7	59.7 59.7	59.8 59.8	59.3 59.8	59.8 59.8	59.8 59.8	60.0 60.0	60.0	60.2 60.2	60.3 60.3	60.4 60.4	60 • 5 60 • 5
≥ 14000 ≥ 12000	59.0 61.1	59.6 61.7	59.9 62.1	60.3 62.4	60.3	60.3	62.5	60.4 62.5	60.4 62.5	60.4 62.5	60.6 62.8	60.6	62.9	60.9 63.0	61.0	61.1 63.2
≥ 10000 ≥ 9000	65.0 65.1	66.0	66.5	66.8	66.8	66.8	66.9 67.1	66.9 67.1	66.9 67.1	66.9	67.1 67.4	67.1	67.3 67.5	67.4	67.5	67.6 67.8
≥ 8000 ≥ 7000	67.5 69.1	68.8 70.6	70.9	71.4	71.4	71.4	71.5	69.7 71.5	69.7 71.5	69.7 71.5	70.0	70.0	70.1 71.9	70.2	70.3	70.4
2 6000 2 5000	70.7	72.1	72.5 73.5	72.9	74.0	72.9	73.0	73.0	73.0	73.0	73.3	73.3	74.5	73.5	73.6	73.8
2 4500 2 4000 2 3500	72.7 73.4 74.2	74.2 75.1 75.9	75.4	75.1 76.1	75.2 76.2 77.2	75.2 76.2 77.2	76.4	75.3 76.5 77.4	75.3 76.6 77.5	76.6	75.5 77.0 77.9	77.0	75.7 77.1 78.0	75.8 77.2 78.1	75.9 77.3 78.3	76.0 77.4 78.4
≥ 2500	75.3 75.9	77.4	77.9	79.0	79.1	79.1 80.1	79.6 80.6	79.7 80.7	- 1	79.8	80.1	80-1 81-2	80.3	80.4 81.4	80.5 81.6	80.6
≥ 2000 ≥ 1800	77.5	80.0	1		82.7	82.7	83.6		83.9	83.9	84.3	84.3	84.4	84.5	84.6	84.8
≥ 1500 ≥ 1200	78.7 79.2	81.3	82.0 82.7	83.5	84.3	84.3	85.1	85.5	85.6	85.7 87.2	86.1	86.1	86.3	86.4	86.5	86.6
≥ ¥00 ≥ 1000	79.4	82.4	83.3	84.9	85.7 86.4	85.7	86.9 87.6	87.5 88.2	87.6	87.9	89.2	88.4	88.7	89.6	88.9	89.0 89.8
≥ 700 ≥ 600	79.6	82.5	83.5	85.2	86.5	86.9	88.1	88.7	89.0	89.8	90.0	90.0	90.2	. 1	90.8	
500 400	79.9	82.9	83.8	85.8	87.5	87.5	88.9	89.6	90.1	91.4	90.7	90.7		92.6	93.1	93.3
≥ 300 ≥ 200	79.9 80.0	83.0 83.1 83.1	84.3	85.9 86.3 86.3	87.7 88.2 88.2	88.2 88.2	89.6	90.5	91.3	92.0 92.7 93.4	93.5	93.5		93.7 95.0 96.3	94.1 95.4 97.3	94.3
≥ 100 ≥ 0	80.0	83.1	84.3	86.3	88.2	88.2	90.1	91.1	91.8	93.5 93.5	90 3		96.7		98.0 98.0	99.6

TOTAL NUMBER OF OBSERVATIONS ___

USAF ETAC 1404 0-14-5 (OL A) MEVIOUS FOITIONS OF THIS FORM ARE CASOLETE

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0500-1100

CEUNG							VIS	IBIEITY ST	AITE MI	ES.						
1661	≥10	≥6	≥ 5	≥ 4	≥3	≥2.	2.7	ا ج	: ≱1.₄	; ≥1	≥ .	2 .	2 .	≥ 5 16	≥.	≥0
NO CEILING 2 20000	51.5 60.8	52.1 61.7	52.4 62.1	52.8 62.5	52.8 62.5	52.8 62.5	53.0 62.8	53.1 63.0		53.1	53.1 63.2	53.1 63.2	53.1 63.2	53.1	53.3 63.3	
≥ 18000 ≥ 16000	61.1 61.4	61.9 62.2	62.4	62.7	62.7 63.1	62.7 63.1	63.1	63.2	63.3 63.7	63.4 63.8	63.4	63.4 63.8	63.4 63.8	63.4 63.8	63.6	63.6
≥ 14000 ± 12006	62.5 65.4	63.4	63.9 67.0	64.3	64.3	64.3 67.3	64.6	64.7	64.9	65.0 68.0	65.0 68.0	65.0 68.0	65.0 68.0	65.0 68.0	65.1 68.2	
≥ 10000 ≥ 9000	68.8	69.9	70.7 70.7	71.0	71.0	71.0 71.2	71.5 71.7	71.6	71.7 72.0	!	72.0	72.0	72.0 72.2	72.0 72.2	72.1 72.3	72.4
2 8000 2 7000	70.8 71.5	72.0 72.7	72.7 73.4	73.4	73.5 74.2	73.5 74.2	74.0 74.8	74.3 75.1	74.4	74.7 75.5	74.7	74.7 75.5	74.7 75.5	74.7 75.5	74.8 75.6	
≥ 6000 ≥ 5000	72.8 73.7	74.2 75.1	75.0 76.0	75.7 76.7	76.2 77.5	76.2 77.5	76.8 78.2	77.2 78.6	77 • 3 78 • 7	77.5 78.9	77.5 78.9	77.5	77.5 78.9	77.5 78.9	77.6	78.0 79.4
≥ 4500 ≥ 4000	74.2 75.3	75.6 76.8		77.2 78.5	78.0 79.5	78.0 79.5	78.7 80.5	79.2 80.9	79.3 81.1	79.5	79.5 81.4	79.5	79.5	79.5	79.6	
2 3500 ≥ 3000	75.9 77.2	77.4	78.3 79.8	79.1	80.1	80.1 81.5	81.1 83.0	81.7	81.8	82.1	82.1 84.3	82.1	82.1	82.1	82°2	82.6
≥ 2500 ≥ 2000	77.6 78.5	79.3 80.2		81.2	82.2 83.4	82.4	83.9	84.5 86.2	84.7	85.2 87.5	85.2 87.5	85.2	85.2 87.5	85.2 87.5	85.3 87.6	85.7
≥ 1800 ≥ 1500	78.5 78.7	80.2 80.5	31.4 81.7	82.2	83.4	83.6	85.6 86.0	86.3	86.6		87.6	87.6 88.2	87.6	87.6	87.7	88.0
≥ 1200 ≥ 1000	79.2 79.3	81.1	82.4	83.Z 83.3	84.7 85.0	85.0 85.3	87.3 87.8	88.4	88.8	89.8 90.7	89.8 90.7	89.8	90.8	89.8 90.8	89.9 90.9	90.3 91.2
≥ 900 ≥ 800	79.3 79.3	81.2 81.2	82.5	83.3	85.1 85.1	85.4	88.2	89.7	90.1 90.7	91.2 92.0	91.2	91.2 92.1	91.4	91.4	91.5	91.8
≥ 700 ≥ 600	79.3 79.3	81.2	82.5 82.5	83.3	85.1 85.2	85.6	88.5	90.5	/	92.4	92.7	92.7 93.1	92.8	92.8		93.3 93.7
≥ 500 ≥ 400	79.4	81.4	82.7 83.0	83.7	85.4	85.9		91.7	92.3 93.1	94.1 95.1	2 2 7 2 1	94.4	94.6	94.6 96.0		95.0 96.4
2 300 2 200	79.4	81.5	83.1	84.0	86.2	86.6			94.0		/	96.7	96.8 98.0	96.8 98.0	- 1	97.4
± 100 ± 0	79.4	81.5		84.0	86.2	86.6	90.5	93.5	94.6		98.1	98.3	98.7		98.91	00.0

TOTAL NUMBER OF OBSERVATIONS.

USAF ETAC - 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSQUETE

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING							V15	BILITY ST	MIN STUTA	ES.						
-FFET:	≥10	≥6	≥ 5	≥4	≥3	≥2:	≥ ?	≥1 ;	≥1:4	21	2 '4	≥`•	2 7	≥5 16	≥ .	≥ა
NO CEILING 2 20000	52.6 54.8		54.5	54.8 67.5	54 · 8 67 · 5	54.8	54.8	55.0 67.8	55.0	55.0 68.0	55.0	55.0 68.0	55.0 68.0	55.0	55.0	55.0 68.0
≥ 18000 ≥ 16000	64.9 65.1	66.7	67.3	67.8 68.1	67.8 68.1	67.8 68.1	69.0 68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.5	68.3
≥ 14000 ≥ 12000	66.1	67.8	68.2 71.6	69.1 72.6	69.1 72.6	69.1 72.6	69.3	69.5	69.6	69.6	49.6	69.6 73.0	69.6 73.0	69.6 73.Ω	69.6	69.6 73.0
≥ 10000 ≥ 9000	72.7 72.8	74.7	75.1 75.2	76.0 76.1	76.0 76.1	76.0 76.1	76.1 76.2	76.4	76.5 76.6	76.5 76.6	76.5 76.6	76.5 76.6	76.5 76.6	76.5 76.6	76.5	76.5 76.6
≥ 8000 ≥ 7000	74.0 74.8	76.0 76.8	76.5 77.3	77.5 78.4	77.5 78.5	77.5 78.5	77.7 78.6	77.9 78.8	78.0 79.0	78.0 79.1	78.0	78.0 79.1	78.0 79.1	78.0 79.1	78.0 79.1	78.0 79.2
≥ 6000 ≥ 5000	75.5 76.5	77.8 78.8	78.3	79.3 80.4	79.6	79.6 80.6	79.7 80.7	79.9 81.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.3 81.3
2 4500 2 4000	77.1 78.0	79.4 80.6	79.9	82.3	82.7	81.2	03.0	81.6	81.7	83.5	81.8	81.8	81.8	81.8	81.6	81.9
2 3500 2 3000	78.4	82.7	83.2	82.6	83.2	83.2	83.5	85.7	86.8	87.2	83.9	87.2	83.9	84.2	84.2	84.3
≥ 2500 ≥ 2000 ≥ 1800	79.9 80.5	83.2	85.2	85.1	87.9	87.9	88.4	87.0	89.2	87.8 90.0	87.8 90.1	90.1	87.8 90.1	90.3	90.3	88 • 2 90 • 4
≥ 1500	80.5 80.7 81.4	84.4	85.2 85.6	86.8	87.9 88.4 89.8	87.9 88.4 89.8	88.4	88.9	89.2 89.8 91.3	90.0 90.8 92.3	90.1 90.9 92.6	90.1 90.9 92.6	90.1	90.3	90.3	90.4
≥ 1000	81.7 81.7	85.8	86.9	88.8	90.5	90.5 90.5	90.3 91.1 91.3	90.9 91.7 92.0	92.1	93.1 93.6	93.6	23.6	92.6 93.6	92.8 93.9 94.3	92.8	92.9 94.0 94.4
≥ 800 ≥ 700	81.8	85.9	87.D	88.9	90.8	90.9	91.7	92.8	93.4	94.6	95.0 95.7	95.0	95.0 95.7	95.3 96.0	95.3	95.4 96.1
≥ 600 ≥ 500	81.9	86.4	87.5	89.4	91.3	91.4	92.3	93.4	94.3	95.5 97.0	96.0	96.0	96.0 97.6	96.2 97.9	96.2	96.3 98.1
≥ 400 ≥ 300	82.2	87.0	88.3	90.5	92.4	93.5	94.7	95.4	96.3	97.8	98.2	98.3	98.3	98.6	98.6	98.8
≥ 200 ≥ 100	82.3	87.1	88.5	91.0	93.3	93.6	94.8	96.2	97.2	98.7	99.3	99.5	99.5	99.8		00.0
≥ 0	82.3	87.1	88.5	91.0	93.3	93.6	94.8	96.2	97.2	98.7	99.3	99.5	99.5	99.8		00.0

TOTAL NUMBER OF OBSERVATIONS.

USAF ETAC 10,64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD

73-82

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING							VIS	BILITY ST	ATUTE MIL	ES						
FEET	≥10	≥6	≥ 5	≥4	≥3	≥? ;	≥ 2	، انج	21,	≥.	≥ '₄	٠٠ ج	≥ ∵	≥5 16	≥	≥0
NO CEILING ≥ 20000	53.4 64.5	53.8 65.1	53.8 65.5	53.9 65.7	53.9 65.7	53.9 65.7	53.9 65.7	53.9 65.7	53.9 65.7	53.9 65.7	53.9 65.7	53.9 65.7	53.9 65.7	53.9 65.7	53.9 65.7	53.9 65.7
≥ 18000 ≥ 16000	65.1 65.2	65.8 66.0	66.2 66.3	66.4 66.5	66.4 66.5	66.4	66.4	66.5	66.4	66.4	66.4	66.4	66.4	66.4	66.9	66.4
≥ 14000 ≥ 12000	66.2 69.7	66.9 70.7	67.3	67.5 71.4	67.5 71.4	67.5	67.5 71.4	67.5 71.4	67.5	67.5 71.4	67.5 71.4	67.5 71.4	67.5 71.4	67.5 71.4	67.5 71.9	71.5
≥ 10000 ≥ 9000	73.9 74.2	75.3 75.7	76.0 76.4	76.2 76.6	76.2 76.6	76.2 76.6	76.2 76.6	76.2 76.6	76.2 76.6	76.2 76.6	76.2 76.6	76.2 76.6	76.2 76.6	76.2 76.6	76.2 76.6	76.6
≥ 8000 ≥ 7000	75.4 75.9	77.3 77.8	78 • 1 78 • 6	78.5 79.0	78.5 79.0	78.5	78.5 79.0	78.5	78.5 79.0	78.5 79.0	78.5 79.0	78.5 79.0	78.5 79.0	78.5 79.0	78.5 79.0	79.0
≥ 6000 ≥ 5000	77.5 78.0	79.4 80.0	80.3 81.0	80.6 81.3	80.6 81.3	80.6 81.3	80.6 81.3	80.6 81.3	80.6	80.6 81.3	80.6	80.6 81.3	80.6	80.6	80.6	80.6
≥ 4500 ≥ 4000	78.4 79.1	80.4	81.3 82.2	81.8 82.7	81.8	81.8	81.8 82.9	81.8	81.8	81.8	81.8	81.8	81.8 83.0	81.8	81.8	83.0
≥ 3500 ≥ 3000	79.2 80.6	81.2 83.6	82.3 84.8	82.9 85.3	83.0 85.7	83.0	83.0 85.9	83.0	83.D	83.0 86.2	83.0 86.2	83.1 86.3	83.1 86.3	83.1	83.1	83.1
≥ 2500 ≥ 2000	81.1	84.3	85.5 86.2	86.4 87.2	86.9 87.7	86.9	87.4	87.8	87.8	87.8	87.8	87.9	87.9 89.0	87.9 89.0	87.9 89.0	87.9
≥ 1800 ≥ 1500	81.7 81.8	85.1 85.6	86.4 87.0	87.5 88.1	87.9 85.8	87.9	88.5	89.0 90.1	90.1	89.1 90.3	89.1 90.3	99.2 90.4	90.4	89.2 90.4	89.2 90.5	90.4
≥ 1200 ≥ 1600	82.4 82.7	86.4 87.5	\$8.1 \$9.1	89.4 90.5	90.1 91.3	90.2 91.4	91.0 92.2	91.5 92.8	91.5	91.8 93.1	91.8 93.1	93.3	92.0 93.4	92.0	92.0	92.0
≥ 900≥ 800	82.7 83.1	87.5 87.8	89.1 89.6	90.8 91.5	91.5 92.3	91.6	92.4	93.1 94.2	93.1	93.5	93.6 94.8	93.7	93.9 95.0	94.0 95.3	94.0	94.0
≥ 700 ≥ 600	83.1	88.4	90.4	92.6 93.0	93.4	93.5	'		95.7	96.2	96.3 96.9	96.5	97.0 97.6	98.0	98.0	98.0
≥ 500 ≥ 400	83.5 83.5	89.5	91.6 91.7	94.1 94.3	94.9 95.2	95.2	96.2 96.5		97.4	98.3 98.7	98.5 98.8	98.6	99.2	99.5		99.5
≥ 300 ≥ 200	83.5 83.5	89.6 89.6	91.7 91.7	94.3	+	95.4	96.5 94.5	97.5 97.5		98.7 98.7	98.8	98.9	99.6	100.0	00.0	00.0
≥ 100 ≥ 0	83.5 83.5	89.6		94.3		95.4	96.5 96.5		97.6 97.6		98.8 98.8	98.9	99.6	00.0	00.0	

USAF ETAC PULL OF 14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-3000

CERING				, , , , , , , , , , , , , , , , , , , 			VIS	IBILITY -ST.	ATUTE MIL	ES	***************************************		<u></u>	************		
-FEET+	≥10	≥6	≥ 5	≥ 4	≥3	≥? -	≥?	≥'nγ	≥1.4	≥ 1	≥ '4	≥ '•	≥ .	≥5 16	2.4	≥0
NO CEIUNG ≥ 20000	56.5 64.7	57.1 65.4	57.1 65.4	57.1 65.4	57.1 65.4	57.1 65.4	57.1 65.4	57.1 65.4	57.1 65.4	57.1 65.4	57.1 65.4	57.1 65.4	57.1 65.4	57.1 65.4	57.1 65.4	57.1 65.4
≥ 18000 ≥ 16000	65.2 65.5	66.0	66.0	66.0 66.2	66.0 66.2	66.0 66.2	66.0 66.2	66.0 66.2	66.0	66.0 66.2	66.0 66.2	66.0 66.2	66.2	66.0 66.2	66.2	66.0 66.2
≥ 14000 ≥ 12000	66.3 68.7	67.Q	67.0 69.5	67.0 69.5	67.0 69.5	67.0	67.0 69.5	67.0 69.5	67.0	67.0 69.5	67.0 69.5	67.0 69.5	67.0 69.5	67.0	67.0 69.5	67.0
≥ 10000 ≥ 9000	74.0	75.1 75.3	75.2 75.4	75 • 2 75 • 4	75.2 75.4	75.2 75.4	75.2 75.4	75.2 75.4	75.2 75.4	75.2	75.2 75.4	75.2 75.4	75.2 75.4	75.2	75.2	75.2 75.4
≥ 8000 ≥ 7000	75.1 75.5	76.1 76.8	76.2 77.0	76.2 77.0	76.2 77.1	76.2	76.2 77.1	76.2 77.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2 77.1
≥ 6000 ≥ 5000	76.5 77.9	77.8	77.9	77.9	78.0 79.7	78.0	78.1	78.1	78.1	78 - 1	78.1	78.1	78.1	78.1	78.1	78 · 1 79 · 8
≥ 4500 ≥ 4000	78.5	79.9	80.0	80.0	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 3500 ≥ 3000	80.4	81.8	81.9	81.9	82.2	82.2	82.3	82.3	82.3	82.3	82.3	62.3	82.3	82.3	82.3	82.3
≥ 2500 ≥ 2000	82.4	84.4 85.0	85.1	85.1	85.5	85.5	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9 87.2
≥ 1800 ≥ 1500	82.7	85.3	86.2	86.2	86.5	86.5	87.0	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 1200 ≥ 1000	83.7	87.6	88.5	88.5	88.9	88.9	89.5	90.5	90.5	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 900 ≥ 800	83.8 83.8	88.8	89.7	89.7	90.1	90.1 90.8	90.4	91.8 91.8	91.8	92.1	91.7	92.1	92.3	92.3 93.9	92.0 92.3	92.0 92.3
≥ 700 ≥ 600	83.9	90.0	90.9	91.0	91.5	91.5	92.3	93.6	93.6	94.3	94.6	94.6	94.9	95.0	95.2	95.2
≥ 500 ≥ 400	85.2	91.7	92.7	92.9	93.4	93.4	94.2	95.9	95.9	96.9	97.2	97.2	97.5	97.6	97.8	97.9
≥ 300 ≥ 200	85.2	91.8	92.8	93.1	93.6	93.6	94.4	96.3	96.6	97.8	98.5	98.0	98.3	98.5	98.6	98.7
≥ 100 ≥ 0	85.2	92.0	92.9	93.3	93.7	93.7	94.6	96.5	96.8	98.1	98.6	98.6	99.1	99.2	99.3	99.9

TOTAL NUMBER OF OBSERVATIONS.

USAF ETAC 19464 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE DESOLETE

CEILING VERSUS VISIBILITY

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726625 ELLSWORTH AFB SD

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING							VIS	BILITY -ST	ATUTE MIL	ES						
-FEE1-	≥10	≥ 6	≥ 5	≥ 4	≥ 3	≥2;	≥ ?	≥1 :	≥1.	≥1	≥ ¹4	≥ ′₃	≥ :	≥5 16	≥ .	≥0
NO CEILING 2 20000	60.9 63.7	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 18000 ≥ 16000	63.8	64.9 64.9	64.9	64.9	65.0 65.0	65.0 65.0	65.0 65.0	65.0 65.0	65.0	65.0 65.0	65.0 65.0	65.0 65.0	65.0 65.0	65.0 65.0	65.0 65.0	
≥ 14000 ≥ 12000	64.4	65.5 66.5	65.5 66.5	65.5	45.6	65.6 66.7	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.
≥ 10000 ≥ 9000	70.1 70.4	71.4 71.7	71.4 71.7	71.4	71.5	71.5 71.9	71.5 71.9	71.5 71.9	71.5 71.9	71.5	71.5	71.5	71.5 71.9	71.5 71.9	71.5 71.9	71.
≥ 8000 ⊇ 7000	70.9		72.2 72.8	72.2 72.8	72.3	72.3	72.3	72.3 72.9	72.3 72.9	72.3	72.3 72.9	72.3	72.3	72.3 72.9	72.3	72.
≥ 6000 ≥ 5000	73.3 75.8		74.6 77.2	74.6 77.2	74.7 77.3	74.7	74.7	74.7 77.3	74.7 77.3	74.7	74.7	74.7	74.7	74.7 77.3	74.7 77.3	
≥ 4500 ≥ 4000	76.0 76.7	77.4 78.1	77.4 78.1	77.4 78.1	77.5 78.3	77.5	77.5	77.5 78.3	77.5 78.3	77.5 78.3	77.5 78.3	77.5	77.5	77.5 78.3	77.5 78.3	77. 78.
≥ 3500 ≥ 3000	78.0	79.4 81.4	79.4	79.4 81.4	79.6	79.6 81.6	79.6	79.6 81.6	79.6	79.6 81.6	79.6	79.6	79.6 81.7	79.6 81.7	79.6	79.
≥ 2500 ≥ 2000	80.6	82.3	82.3	82.3	84.4	82.4	82.4	84.8	82.4	82.4	82.4	82.4	82.5	82.5	82.5	82.
≥ 1800 ≥ 1500	82.0	84.4	84.4	84.4	84.8	84.8	84.9	85.1	85.1	85.1	85.1	85.1	85.2	85.2	85.2	85.
≥ 1200 ≥ 1000	83.0 83.2	86.2 87.0	86.5	86.8	87.1 88.1	87.1 88.1	87.4	87.7	87.9 69.2	88.1	88.1	88.1	88.2	88.2	88.2 90.0	88.
≥ 900 ≥ 800	83.3 83.6	87.2 87.5	87.6	87.9 88.2	88.3	86.3	88.9	89.4	89.8	90.1	90.1	90.1	90.5	90.5	90.5	90.
≥ 700 ≥ 600	83.6	87.6 87.9	87.9 88.3	88.3	88.7	88.7	89.2 90.0	90.1 90.8	90.5 91.3	90.9	91.1	91.1 92.1	91.6 92.6	91.6		91. 92.
≥ 500 ≥ 400	84.6	89.2	89.6 89.7	90.4	90.9	90.9	91.7 92.0	92.9 93.1	93.4	94.2 95.0	94.7	94.7	95.2 96.2	95.2		95. 96.
2 300 ≥ 200	84.6	89.5	89.8 90.2	90.5	91.3 91.6	91.3 91.7	92.2 92.7	93.4	94.3 95.0	95.5 96.3	96.1	96.1	96.9	96.9	96.9	96. 98.
: 100 ≥ 0	1			91.0		91.8		94.2						1		99.

TOTAL NUMBER OF OBSERVATIONS.

USAF ETAC PUT OF 14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD 73-82

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOUR LL

CEIUNG							VIS	iBILITY -ST	ATUTE MIL	ES						
FEET	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2;	≥ ?	≥i.	≥1%	≥1	≥ '₄	≥ '₃	≥ ;	≥ 5 16	2 .	20
NO CEIUNG ≥ 20000	55.4 62.8		56.2 63.8	56.4 64.1	56.4	56.4 64.1	56.5 64.2	56.5 64.3	56.5 64.3	56.5 64.3	56.6	56.6	56.6	56.6	56.7 64.5	56.7
≥ 18000 ≥ 16000	63.1 63.2	63.9 64.0	64.1	64.4	64.4	64.4	64.5	64.5	64.6	64.4	64.6	64.6	64.7	64.7	64.8	64.8
≥ 14000 ≥ 12000	63.8 65.9	64.6 66.8	64.9	65.1 67.4	65.2 67.4	65.2 67.4	65.3 67.5	65.3 67.6	67.6	65.4	65.4	65.4	65.5	65.5	65.5 67.8	65.6
≥ 10000	69.6 69.7	70.7	71.0	71.3 71.5	71.4 71.6	71.4 71.6	71.5 71.7	71.5 71.7	71.6 71.8	71.6 71.8	71.7 71.9	71.7	71.7	71.7	71.8	71.8
≥ 8000 ≥ 7000	71.2 72.1	72.5 73.4	72.8 73.8	73.2 74.2	73.2 74.2	73.2 74.2	73.3 74.4	73.4 74.5	73.5 74.5	73.5 74.5	73.6 74.6	73.6	73.6 74.6	73.6 74.6	73.7 74.7	73.8
≥ 6000 ≥ 5000	73.5 74.6	74.8 76.1	75.2 76.5	75.6 76.9	75.8 77.2	75.8 77.2	75.9 77.3	76.0	76 - 1 77 - 5	76.1 77.5	76.2 77.6	76.2 77.6	76.2 77.6	76.2 77.6	76.3 77.7	76.4
≥ 4500 ≥ 4000	75.2 76.0	76.7 77.5	77.1 78.0	78.5	77.7 78.8	77.7	77.9 79.0	78.0 79.2	78 • 1 79 • 2	78.1 79.3	78.2	78.2	78.2	78.2 79.4	78.3 79.5	78.4
≥ 3500 ≥ 3600	76.7 78.1	78.3	78.7 80.6	79.2 81.2	79.6 81.6	79.6 81.6	79.8 82.0	79.9 82.2	80.0	80.0	80.1 82.5	82.5	80.2	80.2	80.3 82.7	80.4
≥ 2500 ≥ 2000	78.7 79.4	80.9	81.5 82.7	83.5	82.7	82.7	83.2	85.2	83.6	83.7	83.8	83.8	83.9	85.7	84.0	84.1
≥ 1800 ≥ 1500	79.5	82.1	82.9	83.7	84.3	84.3	84.9	85.4	85.5	85.7 87.3	85.8	85.8	85.9	85.9	86.0	86.1
≥ 1200 ≥ 1000	80.8	84.6	85.6	86.6	86.7	86.8	87.6	89.3	89.5	90.0	90.2	90.2	90.4	90.5	90.5	90.4
≥ 900 ≥ 800	81.1	84.8	85.8	86.9	87.8	88.2	89.4	90.4	90.1	90.6	90.8	91.7	91.1 92.0	92.0	91.2	91.3 92.2
≥ 700 ≥ 600	81.4	85.7	86.4	87.5	88.5	88.7	90.4	91.0 91.6	92.0	92.2	93.2	92,6	93.0	93.1	93.2	93.3 94.0
≥ 500 ≥ 400 ≥ 300	81.9 81.9	86.4	87.4 87.6	89.0	89.9 90.2 90.5	90.0 90.3	91.4 91.7 92.1	92.4 93.3 97.6	93.3 93.9 94.3	94.4 95.2 95.6	94.9 95.7 96.2	94.7	95.4 96.3 97.0	95.5	95.6 96.6 97.3	95.8 96.7
± 200	82.0	86.7	88.0	89.4	90.7	90.9	92.4	94.1	94.8	96.2 96.3	96.9	97.0 97.3	98.G 98.3	97.2 98.1	98.9	97.5 98.6 99.7
2 0	82.0	86.8	88.0	89.4		90.9		94.2	94.9	96.3	97.2	97.3	98.3	28.4		00.0

USAF ETAC 17.04 0-14-5 (OL A) PREVIOUS FOITIONS OF THIS FORM ARE OBSOLETE

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CEILING VERSUS VISIBILITY

726625 ELLSHORTH AFB SD

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73-82

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET		VISIBILITY STATUTE MILES														
	≥10	≥6	≥ 5	≥4	≥3	22 :	≥ ?	≥1.	21.	<u>≥</u> 1	≥ 4	₹`a	<u> </u>	≥5 16	2.	≥0
NO CEIUNG ≥ 20000	61.0 65.2	:		61.2 65.5	61.2 65.5	61.2 65.5	61.2 65.5	61.2 65.5		61.2 65.5	61.2 65.5	61.2	61.2	61.2 65.5	61.2 65.5	61.2
≥ 18000 ≥ 16000	65.3 65.5	65.6	65.6 65.8	65.6 65.8	65.6 65.8	65.6 65.8	65.6 65.8	65.6 65.8	65.6 65.8	65.6 65.8	65.6 65.8	65.6	65.6 65.8	65.6 65.8	65.6 65.8	65.6 65.8
≥ 14000 ≥ 12000	65.9 67.1	66.2 67.4	66.2	66.2 67.4	66.2	66.2 67.4	66.2 67.4	66 • 2 67 • 4	66.2 67.4	66.2	66.2 67.4	66.2	66.2	66.2	66.2	66.2
≥ 10000 ≥ 9000	68.9 69.9	69.4 70.3	69.4 70.3	69.4 70.3	69.4 70.3	69.4 70.3	69.4	69.4 70.3	69.4 70.3	69.4 70.3	69.4 70.3	69.4	69.4	69.4 70.3	69.4	69.4
2 8000 ≥ 7600	71.6	72.0 73.1	72.2 73.2	72.2 73.2	72.2 73.2	72.2 73.2	72.2 73.2	72.2 73.2	72.2 73.2	72.2 73.2	72.2 73.2	72.2	72.2 73.2	72.2 73.2	72.2	72.2
≥ 5000°	73.7 74.6	74.1 75.3	74.2 75.4	74.2 75.4	74.2 75.4	74.2	74.2 75.4	74.2 75.4	74.2	74.2 75.4	74.2 75.4	74.2 75.4	74.2 75.4	74.2 75.4	74.2 75.4	74.2
2 4500 ≥ 4000	75.3 76.5			76.1 77.3	76.1 77.3	76.1 77.3	76.1 77.3	76.1 77.3	76 • 1 77 • 3	76 • 1 77 • 3	76.1 77.3	76.1	76 • 1 77 • 3	76.1 77.3	76.1 77.3	76.1 77.3
2 3500 2 3000	77.5 79.1	78.3	78.4	78.4	78.4	78.4 80.8	78.4 80.8	78.4	78.4 80.8	78.4	78.4 80.8	78.4 80.8	78.4 80.8	78.4	78.4 80.8	78.4 80.8
≥ 2500 ≥ 2000		80.8	81.1	81.1 82.5	81.3	81.3	81.3	81.3	81.3	81.3	81.3 83.0	81.3	81.3 83.0	81.3	81.3 83.0	
≥ 1800 ≥ 1500	81.1	82.5	82.9	82.9	83.2	83.2 85.1	83.2 85.1	83.3 85.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
2 1200 ≥ 1000	82.8	85.2	85.7	85.8 87.3	86.5	86.5	86.5	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
2. 900 ≥ 800	83.4	86.3	37.3 87.7	87.5 86.2	88.3	88.3	88.3	88.4	88.6	88.7	88.7	88.7	88.7	88.7 90.1	88.7 90.1	88.7 90.1
≥ 700 ≥ 600	83.8	87.0	88.0	88.4	89.1	89.1	89.5 90.0	89.7 90.2	89.9 90.4	90.0	90.1 90.6	90.1	90.3 90.9		90.3	-
≥ 500 ≥ 400	84.5		90.4	90.0 91.1	91.0 92.2	91.0	91.3 92.5	92.7	91.8	91.9		92.5	92.8	92.8	92.8	1
2 300 2 200			91.2	91.8				94.5	95.2		96.3		97.5	97.8		98.6
± 100 ≥ 0			91.2					94.5 94.5		95.6	96.3	96.3	97.6	98.0		

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC 0-14-5 (OL. A) MENOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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CERING	VISIBILITY STATUTE MILES															
FEE1.	≥10	≥6	≥ 5	≥ 4	_≥3	≥2:	≥ 2	≥i.	≥' . ;	21	≥ .	≥ 'ı	≥ .	≥ 5 16	ž •	≥0
NO CEIUNG 2 20000	56.2 63.7	56.5	56.5 63.9	56.5	56 • 6	56 • 5 64 • D	56.6 64.0	56.6	\$5.6 64.0	56.7	56.7 64.1	56.7	56.7	56.7 64.1	56.7 64.1	56.7
2 18000 2 16000	64.1 64.2	64.3	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.
≥ 14000 ≥ 12000	64.4	64.6	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.
≥ 10000 ≥ 9000	68.9	69.1	69.1	69.1	69.2	69.2	69.2	69.2	69.2		69.4 70.0	69.4	69.4	69.4	69.4 70.0	69.
≥ 8000 ≥ 7000	71.3	71.8	71.8	71.8	71.9	71.9	71.9	71.9		72.0		72.0	72.0	72.0		
≥ 6000 ≥ 5000	72.7	73.3	73.3	73.3	73.4	73.4	73.4	73.4		73.5		73.5				
≥ 4500 ≟ 4000	74.4	75.2	75.2 76.7	75.2	75.3 76.9	75.3 76.9	75.3 76.9	75.3 76.9	75.3 76.9	75.4	75.4	75.4	75.4	75.4	75.4 77.0	75.
≥ 3500 ≥ 3000	76.0 77.4	77.3			77.5	77.5	77.5	77.5 79.7	77.5	77.6		77.6	77.6		77.6	
≥ 2500 ≥ 2000	78.3 79.4	80.4	80.5	8C.6	80.8	80.8	80.8	80.8 82.6	80.8 82.6	80.9 82.7	80.9	80.9	80.9	80.9	80.9	80.
2 1800 2 1500	80.2	82.9	83.0	83.2	83.4	83.4	83.4	83.4	83.4	83.5		83.5	83.5	83.5	83.5	83.
2 120G 2 1000	81.8	85.7	85.9	85.3	85.5	85.5	86.7	86.7	85.5	86.8	86.8	86.8	86.8	86.8	86.8	85.
. V00	83.1	86.7	87.1	87.7	87.6	87.6	87.6	88.5	87.8	88.6	88.7	88.7	88.2	88.8	88.8	88.
± 800	83.9	87.0	87.4 87.8	88.7	88.6	89.2	59.4	89.6	89.6	89.2	89.9	90.0	90.6	90.6	90.6	90.
≥ 600 ≥ 500	84.0	87.6	88.7	89.0	89.5 90.2	89.7 90.4	90.5	90.0	90.0 91.0	90.1	90.3	90.4	91.2	91.2 92.6	91.2	91. 92.
± 300	84.7	89.5	89. 6		92.7	91.7	,	92.5	92.7	92.9	93.5	93.7	94.5	94.7	96.3	94. 96.
2 200 3 100	85.1	89.9	91.1		93.4	93.7					96.3	96.5	97.6			99.
. 0	85.1	89.9	91.1	92.0	:	93.7	1	94.5			96.5	96.6i	'	98.3		.00.

TOTAL NUMBER OF OBSERVATIONS 931

USAF ETAC - 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SO

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

០៩០០-០៦០០

- COUNG	;	VISIBILITY STATUTE MILES														
1991	≥10	≥6	≥ 5	≥4	≥ 3	≥2.	≥ ?	2ì,	≥1.	: ≥1	≥ .	≥'.	≥ .	≥ 5 16	2.	دی
NO CERTINO		53.9 59.2			54 • 1 59 • 4			54.1 59.4		54.1 59.4	54.1 59.4	54.1 59.4	54.1 59.5		54.1 59.5	54 - 1 59 -
≥ 18000 ⊋ 16000	59.4 59.4	60.0			60.2	60.2				60.2	60.2 60.2	60.2 60.2	60.3		60.3 60.3	
≥ 14000 2 12000	60.1	60.6 62.4	60.8	62.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8 62.6	60.9		60.9 62.8	
≥ 10000 ≥ 9006	66.4	67.0			67.2 67.7	67.2 67.7			67.7		67.2	67.2	67.3	67.3 67.8	67.3	
2 8000 2 7000	70.2		71.2	71.2	71.2	71.2 72.2	71.2		71.2	71.2	71.2	71.2	71.3	71.3	71.3	
≥ 6000 ≥ 5000	72.6 74.2	73.4		73.6	73.7	73.7	73.7 75.5			73.7	73.7	73.7	74.1	74.1	74.1	
• 4500 • 4000	74.6 76.5	75.6		75.9 78.0	:	76.0 78.1		76.0	76.0 78.1	76.0	76.0 78.1	76.0	76.3 78.5	76 • 3 78 • 5	76.3	_
3500 3000	77.6		79.1	79.1	79.2	79.2		79.2	79.2	79.2	79.2	79.2	79.5	79.5	79.5	
≥ 2500 ≥ 2000	+		81.2			81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.8	81.8	81.8	81.
≥ 1800 ≥ 1500	80.2		82.2				84.9	82.8		82.8	82.8	82.8	83.1		83.1	83.
2 1200 2 1000	83.0	84.9	85.5	85.5	85.9	85.9			86.2	86.3	86.3	86.3	86.7	86.7	86.7	86.
2 90F	83.6	85.6			86.9	87.1	87.3			87.8	87.8	87.8	88.2	88.2	88.2	88.
≥ 700 ≥ 500	84.4	86.3	87.1	87.1 87.4	87.8		88.4	88.8	89.0		89.6	1		90.3	90.7 91.7	90.
2 500 2 400	84.5	86.8	87.7	87.9	88.8	89.1	89.9	90.4	90.6	91.4	91.7		92.7	92.7		93.
2 300 2 7(x)	84.5	87.2		88.9	89.9	90.2		92.2	92.5	93.3	93.8	93.9	95.6	95.7	96.4	96.
• 100 • 0	84.6	87.4	88.7	89.1	90.3	90.7	92.2	93.1	93.3	94.5	95.3	95.5	97.4	97.7	99.0	99.

TOTAL NUMBER OF OBSERVATIONS...

USAF ETAC - 100 0-14-5 (QL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SO

73-82 YEAR

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

อล์นี้นี้=1700

CEILING	VISIBILITY STATUTE MILES															
FEET.	≥10	≥6	≥5	≥4	≥3	≥2.	2.7	≥1.	21.	≥ 1	≥ ′₄	≥ '•	2.	≥5 16	÷ .	. ≥ે
NO CEIUNG ≥ 20000	54.9 62.8	55.3 63.3	55.3 63.3	55 · 3	55.3 63.4	55.3 63.4			55.3	55.3 63.4		55.3 63.4		55.3 63.7		
≥ 18000 ≥ 16000	63.0 63.0	63.5 63.5	63.5 63.5	63.7	63.7 63.7	63.7 63.7		63.7	63.7		63.7 63.7	63.7	63.9	63.9		63.9
! ≥ 14000 ≥ 12000	66.1	64.7 66.7	64.7 66.7	64.8	64.8 66.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8		65.1 67.0	65.1 67.0	65.1 67.0
3 4000 ≥ 10000	69.4	69.9 70.3	70.4	70.1 70.5			70.5	70.5		70.5	70.5	70.5	70.8	70.3 70.8		70 • 3 70 • 8
≥ 8000 ≥ 7000	71.5	72.0	73.0	73.2	72.4	73.2	73.2	73.2	-	73.2	73.2	73.2	73.4	72.6	73.4	72 • 6 73 • 4
≥ 6000 5000	73.0	73.5 74.7	74.8	73.9	73.9 75.1	73.9	73.9 75.1	75.1	73.9 75.1	75.1	75.1	75.1	74.2		75.6	74.2 75.6
2 4500 2 4000 2 3500	74.6	75.4	76.9	75.7 77.1 77.4	75.7	75.7 77.1	75.7 77.1	75.7 	77.1	77.1	77.1	77.1	76.2	77.6		77.6
2 2500	76.5 78.2 78.9	77.1 78.9 79.8	79.0	,	79.5					79.7	79.7		78.0 80.2		80.2	78.0 80.2
≥ 200r, ≥ 1800	79.5	80.3		80.6	80.9			81.0	81.C	1	80.5 81.2 81.5	81.2	81.7		81.1 81.7 82.0	81.7
± 1500 ≥ 700	81.8	82.9		83.4	83.8	84.7			84.0	84.3	84.3	84.3	84.8		84.8	84.8
? 1900 	82.9	84.4	84.9	85.3	85.8	86.8	86.5			87.2		81.2	87.7	87.7		87.7
± 80x1	83.4	85.2		86.2	86.8	87.0		88.5	90.2	89.D	49.1	91.1	90.1	90.1		90.2
≥ 600 500	84.4	86.6	87.6	87.4	88.4	89.2	89.7	90.5	90.8	91.4	P1.5	93.0	92.6	94.2	92.8	92.9
2 300 2 300	84.4	86.6	88.0	89.0	90.0	90.2	91.9		92.8		95.6	94.1		95.5	95.6	96.0
, R	84.4	86.6	88.0 88.0	89.1	90.0	90.2	91.9	93.8	94.2			96.1	97.4	97.6. 98.0	98.1	98.7 99.7

OTAL NUMBER OF OBSERVATIONS 930

USAF ETAC ... 0+14+5 FOL AT MEVIOUS EDITIONS OF THIS FORM ARE OBSCIETE

CEILING VERSUS VISIBILITY

72.625 ELLSWORTH AFB SD 73-82

1200-1400

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS)

FEET :	CHAIR OF TATE OF PHILIP															
	≥10	≥ 6	25	≥ 4	23	22.	≥.7	≥	214	≥' :	೭ •	2.	. 2	2516	2.	20
O CEIUNG	49.6 61.7		49.8			49.8		49.8 62.2				50.1 52.5				
	61.8	62.3			62.3				62.3				62.6		62.5	,
2 16000	41.0	62.4	62.4	62.4	62.4	62.4					62.6	62.7			62.7	
± 1400€	62.9	63.3	63.3	63.3						63.5					63.7	
2.12000	64.9		,,		65.5		,			65.7					65.6	!
20000	68.1				68.6										68.9	1
≥ 900¢	68 - 8	69.2	69.4	69.4						69.6	-			_	69.7	
8000	71.2		72.0							72.3						,
2 7000	72.5	73.1	74.3	77. 1	77.7	73.3	,		73.3			_	73.7		:	
> 6000 i	73.7	74.3	74.5	74.5	74.5					74.7			74.8			
SOUR	75.2	75.0	76.2	76.2	76.2	76.2		76.2		(76.5		76.6		,	
	76.0	76.8	77.1	77.1	77.1					77.3					77.4	•
_ 4:) ₍);:	78.4	79.1		79.9	1	,			80.0			80.3	t :		i -	,
3500	79.0	79.8		80.5						80.9					81.0	,
. 1000	81.2	82.3	82.6	83.0		83.1	83.1	63.1				83.5			83.5	
2500	81.6	83.1	83.5	84.0		84.1			84.1		_ = -		84 . 5			,
₹ 2000	82.3	84.0			85.2		85.2				,	45.9	-	86.0		
_: 180k+	82.8	84.5		85.6	85.7					86.3					86.6	T
2 1500	84.2	86.1	86.6	87.3					87.6				88.6		88.6	
1200	84.2	86.3	86.9	87.6	88.0					88.7					89.0	,
∄ 1000	84.7	87.6	88.2	89.0					89.9		90.6				21.0	
· 90:	84.8	88.2	88.7		90.0										91.7	•
≥ 80x	85.2	88.6	89.1	90.0			90.9			92.0		92.3	92.7	92.7	92.7	
20	85.2	88.8	89.4			90.9				92.7		92.9				
? olk	85.5	89.4	90.1	91.1	91.9	92.0		92.8		\$ 4 . D		94.2		94.6		94
	85.7	85.7	90.4	91.5	92.5					95.4					,	96
: 4·x	85.7	89.8	90.6	91.9	93.0	93.1				95,9						
51 R	85.9	90.0			93.4					97.1						
714	85.9				93.4				94.8		97.2		98.4	98.5		
100			90.9							97.1					99.0	
	85.9			- 1	93.4				94.8		-				99.0	-

TOTAL SHARES OF ORGENIATIONS 980

US AF ETAC O-14-5 FOL A MEVIOUS FORCES OF THIS COMM ARE DISSOLUTE

CEILING VERSUS VISIBILITY

2

726625 ELL SWORTH AFB SD

73-82

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS:

1500-1700

CELLING							V15:	BILITY ST	AT-JIE MIL	ES						
FEE1-	≥10	≥ 6	≥ 5	≥ 4	≥ 3	≥2.	≥?	. انج	21.	? .1	24	≥ '¥	2	≥5 16	7.	20
NO VERNA S 70000	51.8 62.8	52.3 63.3			72.7 63.8	52.7 63.8	52.8 63.9		52.8 63.9	52.9 64.0	52.9 64.0	52.9 64.0				1
≥ 18000 ≥ 18000	63.0	63.5 63.5	63.8 63.8	63.9	64.D	64.0 64.0	64.1	64.1	64.1	64.2 64.2	64.2	64.2	64.2	64.2 64.2	64.2	64.2
≥ 14000 ≥ 12000	63.9 66.5	67.0		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	. 64 - 9· . 7 - 八 <u>仙</u>	64.5	67.5	64.9	64.9 67.5	65.1 67.6	65.1 67.6	67.6	65.1	65.1	65.1 67.6	65.1 67.6
≥ 10000 ≥ 9000	70.0 70.5	70.5 71.1	70.8 71.3	70.9	71.5	71.0	71.1 71.6	71.1 71.6	71.1 71.6	71 - 2 71 - 7	71.2	71.2 71.7	71.2	71.2 71.7	1	71.7
≥ 8000 ≥ 7000	72.7 73.9	73.8 74.9	75.2	74.1 75.3	74.2 75.4	74.2 75.4		74 · 3	75.5	75.6	74.4 75.6	74.4	74.4 75.6	74.4 75.6	74.4 75.6	74.4
2 6000 2 5000	74.5	75.6		76.3 79.6	76.5 79.7	76.5 79.7		76.6 79.8	79.8	79.9	80.1	76.9 80.1	76.9	76.9 80.1		76.9
≥ 4500 ≥ 4000		78.9		79.7 82.7	79.8	79.8 82.9	79.9 83.0	83.0	83.0		83.3	80.2	80.2	80.2	83.3	
2 3500 2 3000	82.0	82.4	83.0	83.2	84.7	84.7	83.5	84.9	84.5		85.3	83.9 85.3	83.9	83.9	83.9	83.9
2 2500 2 2000	32.4	83.9	84.8	85.3	85.5	85.5	85.8	85.9	85.9	88.0	86.3	86.3 88.2	86.3 88.2	86.3	86.3 88.2	88.2
≥ 1500 ≥ 1500	83.4	85.4	86.5	87.1 98.0	87.4	17.4	87.7	87.8	87.8	88.9	88.3	88.3	88.3	88.3	88.3	89.1
900	84.8 84.8	86.7 88.1 88.4	88.1 89.7 90.1	90.4	89.1 90.9 91.3	89.1 91.0	89.6 91.4 91.8			92.0	92.3	90.1	90.1	92.4	90.1	92.4
2 800 2 700	85.5	88.8	90.8	?1.5 91.7	91.9 92.3	92.0	91.8 92.6 92.	92.8	92.8	92.5 93.3 94.2	93.5	92.7 93.5 94.4	92.8 93.8 94.6	93.8	93.9	
500	86.0	89.4	91.3	92.3	92.9	93.0	93.5	24.1	94.3		95.1	95.1 96.8	94.6 95.3 97.0	95.3	94.7 95.6 97.3	94.7 95.6 97.3
: 40°C	86.1	89.7	91.7	93.0	;	,	94.4	95.2	95.8			97.0	97.2	97.2	97.7 98.6	97.8
200	86.3	89.9	91.9	93.3	94.1	94.2	94.7	95.5	96.1	97.1	97.7	98.0	98.6	98.7	99.2	99.4
	,					94.2	94.7	95.5	96.1	97.1	97.7	98.0	98.6		99.2	

TOTAL NUMBER OF OBSERVATIONS.

USAF ETAC 0-14-5 (OL A) MENIOUS FOITIONS OF THIS FORM ARE OBSCIETE

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD

£ 5.

73-82

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS)

1800-2000

i ; centur.							\ 15	нысту от	ATUTE MA	E S						
l HEE.	2:10	≥ ∧	. ≥1	≥ 4	: -	2.2	≥2	21.	ادن≲	11	: •	٤٠,	2:	≥ 5 16	2.4	20
NO CERMIN	57.3 63.5		57.5 63.9	57.6 64.0	58.0 64.3	58.0 64.3	58.0 64.7	58.C	\$8.0 64.3	58.0 64.3	58.0 64.3	58.0	58 • 0 64 • 3			
≥ 18000 ≥ 16000	63.9	64.1	64.2	64.3		64.6	64.6	64.4	64.6	64.5	134.6	64.6	64.6			
≥ 14000 ≥ 12000	64.3		64.6			65.	65.1	65.1	65.1	65.1	65.1		55.1		65.1	65.1
≥ '10000 ≥ Y000,	70.3 70.8		70.8	70.9 71.3	[71.2 71.6		71.2	71.2		71.4	ا مسمد	71.2	71.2	1
± 800G ≥ 7000	73.4				74.5 75.8	74.6 75.9	74.6 75.9	74.6 75.9	•	1	4. 2 %	75.9	74.6 75.9	74.6 75.9	74.6 75.9	1
E ≥ 6000 2 5,00 E = = = = = = = = = = = = = = = = = = =	75.6 78.2		79.1	76.3 79.4	76.7 79.7	79.8	79.8		79.8	76b	,	76.8 79.8	76.8 79.8	76.8 79.8	76.8 79.8	1
2 4500 2 4000	78.6	81,3	81.6	79.8	82.2	82.		82.3	.se3	0.2 82.3	82.3	82.3	82.3	80.2 82.3	80.2 82.3	
3500 3000	81.6	83.1	33.7	83.1	84.2	83.5	84.	84.4	89.4	83.5	83.5	53.5 84.4	83.5	83.5	83.5	83.5
≥ 2500 ≥ 2000	82.7	84.5	85.3		85.9	96.0	85.7.	16.5	86.	86.5	86.5	85.8	85.8	85.8	85.8	86.5
≥ 1800 ± 1500	83.2	85.5	86.2		87.2		87.6		87.7		87.7			86.7		87.7
2 1705 2 1000 2 900	84.5 85.3	87.3	88.4	89.2			90.3		90.4	90.4	90.4	90.4	90.4	89.0 90.4	20 . "	90.4
≥ 900 ≥ 800 ≥ 700	85.4 85.6	88.0	88.6 89.0	89.9		90.8	91.3	90.6 91.4 92.0	91.4	91.4	91.5	91.5	90.6	90.8 91 92.5	91.5	21.7
≥ 500	86.1	88.8	89.9 90.1	91.1		92.2	92.8	92.9	93.2	93.2	93.3	93.3	93.3	93.4	95.4	93.8
2 400 2 300	86.1	88.9	90.2	91.7	92.7	92.8	93.8	94.6	94.4	94.7	25.2	93.4	95.7	96.1	:	94.4
۱۱۱، : ۱۷۷ جے	86.2	89.2	90.9	92.4	93.3	93.7	94.6	95.1	95.7	96.0	96.5	96.7		97.8	98.0	98.6
3 0	86.2		90.9		97.4									98.4		

USAF ETAC 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD 73-82 PERCENTAGE FREQUENCY OF OCCURRENCE

2100-2300

CEILING							VIS	IRILITY STA	NW BIUTE	E5						
-FEE1	≥10	≥ 6	≥ 5	≥ 4	≥.3	22.	2:2	21.	≥1.	21	<u> </u>	ž .	2	≥ 5 16	2.4	≥0
NO CEIUNG:	59.5 63.7	60.0		60.2 64.4	60 • 2 64 • 4	60.2 64.4	60.3 64.5	60.3 64.5	60.3		60.3 64.5	6C.3	60.4 64.6	60.4 64.6	60.5 64.7	60.5
≥ 18000 ≥ 16900	64.0 64.0	64.5	64.5 64.5	64.7	64.7	64.7 64.7	64.8 64.8	64.8	64 • 8 64 • 8	64.8	64.8 64.8	64.8 64.8	64.9	64.9 64.9	65.1 65.1	65.1 65.1
5 14000 5 14000	64.7 56.6	65.3 67.1	65.3 67.1	65.5 67.3	65.5 67.3	65.5 67.3	65.6	65.6	65.6	65.6	65.6 67.4	65.6	65.7	65.7 67.5	65.8 67.6	65.8
> 10074 > 9000	68.3 69.1	69.5 69.7	69.5 69.7	69.7 69.9	69.7 69.9	69.7 69.9	69.8 70.0	69.8 70.0	69.8 70.0	69.8 70.0	69.8 70.0	69.8 70.0		69.9 70.1	70.0 70.2	70.0 70.2
≥ 8000 ≥ 7000	71.2 72.3	71.9 73.0	71.9 73.0	72.2 73.2	72.2 73.2	72.2 73.2	72.3 73.3	72.3 73.3	72.3 73.3	72.3 73.3	72.3	72.3 73.3	72.4	72.4 73.4	72.5 73.5	72.5 73.5
≥ 6000 ≥ 5000	73.5 75.7	74.3 76.8	74 • 3 76 • 8	74.5 77.0	74.6	74.6	74.7 77.2	74.7 77.2	74 • 7 77 • 2	74.7 77.2	74.7 77.2	74.7	74.8	74.8 77.3	74.9	74.9
≥ 4500 ∴ 4000	76.2 78.0	77.3 79.2	77.3		77.6	77.6	77.7 79.7	77.7	77.7 79.7	77.7	77.7 79.7	77.7 79.7	77.8 79.8	77.8	78.2 79.9	78.0
≥ 3500 ≥ 3000	79.5 81.0	80.8 82.5		81.0	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.3	81.3 83.4	81.4	83.5
≥ 2500 ≥ 2000	81.6	83.2	84.4	83.8	84.1	84.9	84.2	84.2	84.2	84.2	84.2	84.2	84.3	84.3	84.4	85.3
2 1800 2 1500	\$2.8 84.0	85.7	86.0	86.2	85.3	86.6	86.7	85.4	85.4		85.4	86.7	85.5	86.8	85.6	85.6
2 1200 2 1000	84.6 85.3 85.3	86.5	87.6	87.0	87.4	87.4	87.5 88.9	87.5 09.1	87.5 89.1	89.1	87.5	87.5 89.1	87.6	87.6	89.5	87.7
≥ 700	85.3	87.3	87.7	88.2 88.4 89.0	89.0 89.7	89.7	89.4	89.6	89.6	89.2 89.9 90.9	90.2 91.2	90.2 91.2	90.4 91.4	89.5 90.4 91.4	90.5	90.5
≥ 600 ≥ 500	85.4	88.1	88.6	89.6 90.1	90.2	90.2 90.8	90.6	91.3	91.3 92.0	91.6 92.5	92.0	91.2 92.2 93.8	92.4	92.4	91.5 92.5 94.4	91.5 92.5 94.4
≥ 400 ≥ 300	85.9	89.0	89.7	90.8	92.3	91.4	91.9 93.1	- 1	93.0	93.5	94.6	94.8	95.3	95.3	97.5	95.5 97.0
200	86.0	89.2	90.6	71.8	92.6	92.8	93.4	94.6	94.8	95.6	1	97.2	98.3	98.3	94.7	99.0
. 0		89.4						94.7		95.8	97.2	97.4	f	98.5		1

(FROM HOURLY OBSERVATIONS)

TOTAL NUMBER OF OBSERVATIONS ______ 970

USAF ETAC 1144 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLITE

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD

73-82

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOUNT T

CERUNG	! !						v15	IBILITY ST	атуте міц	ES.						
FEEL	≥10	≥6	2.5	≥ 4	23	22.	2:	. بُجِ	≥:.	2:	2 4	æ1.	≥ .	≥ 5 16	≥ 4	≥0
S 30000	55.5 62.8		55.9 63.2				56.0 63.4		56.0 63.4	56.1 63.4	56.1 63.4	56.1 63.5	56.1 63.5	56.1 63.5	56.1 63.5	56.1 63.5
≥ 18000 ≥ 16000	63.1 63.1			63.6 63.7	63.7	63.7	63.7 63.8	63.7 63.8	63.7 63.8	63.8 63.8	63.8 63.8	63.8 63.8	63.8	63.8	63.8 63.9	63.8
≥ 14000 ≥ 12000	63.8 65.7	64.2	64.3	64.4 66.3	64.4 66.4	64.4	64.4	64 • 4 66 • 4	64.4	64.5 66.5	64.5 66.5	64.5	64.6	64.6 66.5	64.6	64.6
≥ 10000 ≥ 9000	68.9	69.3	69.4 70.0			69.5 70.1	69.6	69.6 70.1	69.6 70.1	69.6 70.2	69.6 70.2	69.6 70.2	69.7 70.3	69.7 70.3	69.7 79.3	69.7 70.3
≥ 8000 ≥ 7000	71.6 72.7	72.3 73.3	72.4 73.5		72.6 73.7	72.6 73.7	72.6 73.7	72.6 73.7	72.6 73.7	72.7 73.7	72.7 73.7	72.7 73.8	72.7 73.8	72.7 73.8	72.7 73.8	72.7 73.8
≥ 6000 3 5000	73.7 75.5	74.3 76.3	74.5 76.5		74.7 76.7	74.7 76.7	74.7 76.7	اند دست		74.8 76.8	74.8 76.8	74.8 76.8	74.9 76.9	74.9 76.9	74.9 76.9	74.9
> 4500 ± 4000	76.0	76.8 78.7	77.0 79.0		77.2 79.3	77.2 79.3		- ;	77.3 79.3	77.3	77.3	77.3 79.4	77.5 79.5	77.5 79.5	77.5 79.5	77.5
≥ 3500 ≥ 3000	78.6		79.8 81.6	80.0 81.8	80.1 82.0	80.2 82.0	80.2	80 • 2 82 • 1	87.2 82.1	80.2 82.2	80.3	80.3 82.2	80.4 82.3	80.4	80.4 82.4	80.4
≥ 2500 ≥ 2000	80.5 81.3	82.0 83.0	82.4 83.5	82.6 83.7	82.8 84.0	82.9 84.0	83.0	83.0 84.2	83.0	83.1	83.2 84.4	83.2	83.3	83.3 84.5	83.3	83.3
≥ 1800 ≥ 1500	81.7		83.8	84 · 1 85 · 7	84.4	84.4	34.5 86.2	84.6	84.6	84.7	84.7	84.8	84.9	84.9 86.7	84.9	
≥ 1200 ≥ 1000	83.5 84.1		86.2 87.4	86.7 87.9		87.1 88.5	87.3	-	87.4 89.0	87.5	87.6	87.6	87.7	87.7 89.4	87.7	87.7
.: 900 ≟ 800	84.3 84.4		87.7 88.0	88.2	1	88.8	89.1 89.7	89.4 90.0		89.6 90.4	89.7 90.5	89.7 90.6	89.9 91.0		89.9 91.1	89.9 91.1
≥ 700 ≥ 600	84.7		88.4	89.1	90.3	90.5	90.3		90.9 91.6	91.2	91.4	91.5 92.3			92.0	
.± 500 ≥ 400	85.1 85.2	88,5	89.8	90.3	91.7		92.5	93.1	93.5	99.1	93.6	93.7	95.3	95.5		96.0
± 300 2 200		88.9		91.5	92.3	92.8	93.6	94 . 5	9: . 9	95.8		96.7	97.7	98.0	98.4	98.9
± 100 ± 0	85.4	t t		3	92.6	92.8		94.5				1	97.9		98.8	

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 10.04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD 73-82

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY STATUTE MILES CEILING FEET NO CEIUNG 57.8 57.9 58.0 ≥ 20000 63.3 63.4 ≥ 18000 ≥ 16000 63.6 63.7 63.8 63.8 63.8 63.8 63.9 63.9 63.9 64.0 64.0 64.0 64.0 64.0 64.0 64.0 03.8 63.9 64.0 64.0 64.0 64.0 64.1 64.1 64.1 64.2 64.2 64.2 64.2 64.2 64.2 64.2 ≥ 14000 ≥ 12000 64.6 64.7 64.8 64.8 64.8 64.8 64.9 64.9 64.9 65.0 65.0 65.0 65.0 65.0 65.0 ≥ 10000 ≥ 9000 ≥ 8000 ≥ 7000 6000 ≥ 6000 ≥ 5000 ≥ 4500 4000 80.2 80.9 81.1 81.1 81.1 81.1 81.2 81.2 81.2 81.3 81.3 81.3 81.3 81.4 81.6 81.6 81.6 82.3 82.3 82.6 82.6 82.6 82.6 82.7 82.7 82.7 82.8 82.8 82.8 82.9 83.0 83.0 83.0 82.7 84.0 84.3 84.4 84.4 84.4 84.8 84.8 85.0 85.0 85.0 85.0 85.1 85.2 85.2 2 2500 1800 ≥ 1000 ≥ 1000 90C 700 86.8 89.8 90.4 91.1 91.3 91.7 92.4 92.4 92.9 93.0 93.1 93.1 93.2 93.3 93.3 87.1 90.6 91.2 91.9 92.2 92.2 92.8 63.8 93.8 94.2 94.4 94.6 94.6 94.6 94.6 94.9 95.0 87.4 91.1 91.2 92.7 93.1 93.1 93.8 95.1 95.2 95.7 95.9 96.0 96.0 96.2 96.3 96.4 ≥. 500 87.4 91.3 92.1 92.9 93.8 93.8 94.8 94.1 96.2 97.0 97.7 37.9 98.1 98.8 98.9 99.2 87.4 91.3 92.1 92.9 93.8 93.8 94.8 96.1 96.2 97.0 97.8 98.0 98.4 99.1 99.3 99.9 TUÇ 91.3 92:1, 92.9 93.8 93.8 \$4.8 96.1 96.2 97.0 97.0 96.0 98.4 99.1 99.4100.0

TOTAL NUMBER OF OBSERVATIONS 905

USAF ETAC 1464 0-14-5 (QL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD

73-82

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

០300-050០

CHONG							VI\$	IBILITY ST	ATUTE MIL	.ES						
1161	≥10	≥6	≥ 5	≥ 4	د خ	27:	27	ر اچ	دا≅	! <u>≥</u> :	≥ ¹₄	≥'.	i ≥ .	≥5 16	≥ .	≥0
NO CEILING 20000	56.1 61.4			56.8 62.3	56.9 62.4	56.9 62.4	1	56.9 62.4	56.9 62.4		56.9 62.4	56.9 62.4	56.9 62.4	56.9 62.4	57.0 62.6	57.0 62.6
≥ 18000 ≥ 16000	61.6	62.0 62.3	62.3	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.7 63.0	62.7 63.0
≥ 14000 ≥ 12000	62.2 63.2	62.7	64.0		63.2	63.2	63.2 64.2	63.2 64.2	63.2	63.2	63.2	63.2	63.2	63.2 64.3	63.3	63.3
≥ 10000 ≥ 9000	65.0 65.9	65.4	65.8 66.7	65.9 66.8	66.0 66.9	66.0	66.0 66.9	66.0 66.9		66.0	66.0	66.1	66.1	67.0	66.3	66.3
≥ 8000 ≥ 7000	67.9 68.4	68.3		68.8 69.3	68.9	68.9	68.9	68.9	69.4		68.9	69.0		69.0	69.2	69.2
≥ 6000 ≥ 5000	69.9 72.9	70.3	70.7	70.8 74.1	70.9	70.9	70.9	70.9	70.9	70.9	70.9	71.0	71.0	71.0	71.2	71.2
≥ 4500 ± 4000	73.7 75.6	74.3	74.7 76.6	74.9 76.8	75.0 76.9	75.0	75.0 76.9	75.0 76.9	75.0	75.0 76.9	75.0	75.1	75.1	75.1	75.3 77.2	75.3
≥ 3500 ≥ 3000	76.4 79.0	77.1	77.4 80.1	77.7 80.4	77.8	77.8 80.6	77.8	77.8	77.8	77.8	77.8	77.9	77.9	77.9	78.1	78.1
≥ 2500 ≥ 2000	80.0 81.4	81.1	81.9	82.2	82.3	82.3	82.3	82.3 84.0	82.3		82.3	82.4	82.4	82.4	82.7	82.7
≥ 1800 ≥ 1500	81.8	83.1	83.9	84.3	84.4	84.4	84.4	54.4 86.2	84.4	84.4	84.4	84.6	84.6	84.6	84.8	84.8
≥ 1200 ≥ 1000	84.2	85.8		87.3 88.3	87.4	87.4	87.6	87.6 88.7	87.6	87.6	87.6	87.7	87.7	87.7	87.9	87.9
± 900 ≥ 800	85.0 85.2	87.1 87.4	88.3	88.8	88.9	88.9	89.1	89.1	89.1 89.8	89.2	89.2	89.3	89.3 90.0	89.3 90.0	89.6 90.2	89.6
≥ 700 ≥ 600	85.4	87.7	88.9	89.3	89.4	89.4	89.8	90 - 0 90 - 4		90.1 90.7	90.1	90.2	90.2	90.2		90.4 21.0
5 500 2 400	85.7 86.2	88.3	89.7 90.8	90.2	90.4	90.4	90.8	91.0 92.7	91.0 92.7	91.2 93.0	91.2 93.0	91.3 y3.1	91.3 93.1	91.6 93.3		91.9 93.7
\$ 706 \$ 300	86.6 86.6	89.9		92.3 92.4	93.0 93.6	93.0 93.6	93.8 94.7	95.1	94.0	94.9 94.3	94.9	95.1	95.1 97.0	95.3	95.6	96.0
> 100 > 0	86.6	89.9	91.8	92.4 92.4	93.6	93.6	94.7	95.2 95.2	95.2	;	97.0	97.4	97.6	97.8	98.0	

TOTAL NUMBER OF OBSERVATIONS __

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD

73-82

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

១៩១៦-១៩១០

CEILING							V15	IBILITY ST	ATUTE MILI	ES						
FEET	≥10	≥6	≥ 5	24	≥ 3	≥?,	≥ 2	٠ ا ﴿	21.	≥1	≥ '4	≥ ,	≥.	≥ 5 16	3.4	≥0
NO CEILING ≥ 20000	50.2 57.1	50.7 57.8	50.8 57.9	50.8 57.9	51.0 58.1	51.0 58.1	51.0 58.1	51.1 58.2	51 · 1 58 · 2	51.2 58.3	51.2 58.3	51.2	51.3 58.4	51.3	51.3	51.4
≥ 18000 ≥ 16000	57.6 57.8	58.2 58.4	58.3 58.6	58.3 58.6	58.6 58.8	58.6 58.8	58.6 58.8	58.7 58.9	58.7 58.9	58.8 59.0	58.8 59.0	58.8	58.9 59.1	58.9 59.1	58.9	59.0 59.2
≥ 14000 ≥ 12000	58 • 4 59 • 8	59.1 60.6	59.2	59.2	59.4	59.4	59.4	59.6	59.6	59.7	59.7	59.7	59.8	59.8	59.8	59.9
≥ 10000 ≥ 9000	63.0 63.8	63.9	64.0	64.2	64.6	64.6	64.6	64.7	64.7	64.8	64.8	64.8	64.9	64.9	64.9	65.0
≥ 8000 ≥ 7000	65.9	67.0	67.2	67.4	67.8	67.8	67.8	67.9	67.9	68.0	68.0	68.0	68.1	68.1	68.1	68.2
≥ 6000 :: 5000	67.4	68.6	68.8	69.0	69.3	69.3	69.3	69.4	69.4	69.6	69.6	69.6	69.7	69.7	69.7	69.8
≥ 4500 3 4000	70.3	70.7	71.9	71.1	72.4	72.6	71.7	72.8	72.8	71.9 72.9	71.9	71.9	73.0	73.0	73.0	1
2 3500 2 3000	72.3	73.7	74.8	74.4	74.9	75.0 75.7	75.1 75.9	75.2 76.0	75.2 76.0	75.3 76.1	75.3 76.1	75.3 76.1	75.9 76.2	75.4	75.4 76.2	75.6 76.3
≥ 2500	74.9	76.3	77.1	77.6	78.2 80.1	78.3 80.2	78.6	80.7	78.8 80.7	78.9	78.9	78.9	79.0 81.0	79.0 81.0	79.0 81.0	79.1 81.1
≥ 2000 ≥ 1800	78.3	79.7 80.0	80.7	81.2	82.3	82.4	82.7		82.7	82.8	82.9	82.9 83.2	83.3	83.0	83.0	83.4
≥ 1500	79.4	81.3	82.4	83.0	83.8	84.0	84.2	84.4	84.6	84.7	84.8	84.8	84.9	84.9	84.9	85.0
± 1000 ± 900	81.2	83.4	84.8	85.6	86.7	87.0	87.2	87.4	87.6	87.7	87.9	87.9	88.0	88.0	88.0	88.4
± 800 ± 700	81.7	84.0	85.4	86.2	87.3	87.7	88.0	88.2	88.3	88.4	88.7	84.7	90.0	88.8	90.1	88.9
≥ 600	82.4	85.1	86.7	87.7	88.9	89.2	39.7	90.1	90.2	90.6	90.9	90.9	91.0	90.1	91.1	90.2
≥ 500 ≥ 400	82.7	86.3	88.1	88.6	90.9	91.2			92.9	93.4	92.3	94.3	92.9	93.0	95.0	95.3
≥ 200 ≥ 200	82.9	86.7	88.9	90.2		91.9	93.3	93.8	94.2	94.8	95.6	95.8	96.1	97.9	98.2	96.8
2 ·90 2 ·1	83.1	86.9	T T T 1		92.2		:	94.9		96.3	97.6		98.2	98.6	99.2	. 1

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 1.44 0-14-5 FOL AT MEVIOUS EDITIONS OF THIS FORM ATE OBSOLETE

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD

73-82

MPR.

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1700

CEIUNG	ł						VIS	IBILITY ST.	ATUTE MIL	FS						
FEET	210	≥6	≥ 5	≥ 4	≥ 3	≥2.	≥7	≥ì	ړا≼	21	≥ .4	≥',	≥ :	≥ 5 16	≥ 4	≥0
NO CEUNG ≥ 20000	48.7 55.6	48.9 55.8	48.9 55.8	48.9 55.8	48.9	48.9	48.9	48.9 55.8	48.9	48.9 55.8	48.9 55.8	48.9	48.9	48.9	48.9	48.9 55.8
≥ !8000 ≥ 16000	55.6 55.8	55.8 56.0	55.8 56.0	55.8 56.0	55.8 56.0	55.8 56.0	55.8 56.0	55.8 56.0	55.8 56.0	55.8 56.0	55.8 56.0	55.8	55.8 56.0	55.8 56.0	55.8 56.0	55.8 56.0
≥ 14000 ≥ 12000	56 • 2 57 • 7	56.4 58.0	56.4 58.0	56.4 58.0	56.4 58.0	56.4 58.0	56.4 58.0	56.4 58.0	56.4 58.0	56.4 58.0	56.4 58.0	56.4	56.4 58.0	56.4 58.0	56.4 58.0	56.4 58.0
≥ 10000 ≥ 9000	60.9 61.0	61.3 61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 8000 ≥ 7000	62.3 64.6	63.0 65.3	63.2	63.2	63.2 65.6	63.2 65.6	63.2	63.2 65.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2 65.6
≥ 6000 ≥ 5000	65.3 67.1	66.1	66.3	66.3 68.1	66.3 68.1	66.3	66.3 68.1	66.3 68.1	66.3	66.3	66.3	66.3	66.3 68.1	66.3	66.3	66.3
2 4500 ≥ 4000	68.7 71.0	69.4	69.7 72.1	69.7 72.1	69.7	69.7	69.7 72.1	69.7 72.1	69.7	69.7	69.7 72.1	69.7	69.7 72.1	69.7 72.1	69.7	69.7 72.1
≥ 3500 ≥ 3000	73.1 76.1	74.0 77.0	74.3 77.7	74.4 78.0	74.4 78.2	74.4 78.2	74.4	74.4	74.4	74.4	74.4 78.3	74.4	74.4 78.3	74.4 78.3	74.4	74.4
≥ 2500 ≥ 2000	77.7 79.9	78.7 81.6	79.4	79.9 82.9	80.2	80.2	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3 83.4
≥ 1800 ≥ 1500	80.0 81.4	82.0 83.4	82.8	83.3	83.7 85.1	83.7	83.7	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1200 ≥ 1000	82.9	85.6	86.4	87.1	87.6	87.6	87.6	87.6	87.9	87.9	87.9	87.9	87.9	87.9	87.9 89.7	87.9
2 900 ≥ 800	84.6 85.3	87.8	88.8	89.4 90.6	89.9	89.9 91.0	90.0	90.0 91.1	90.3 91.8	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 700 ≥ 600	85.6	89.4	90.6	91.2	91.7 92.1	91.7 92.1	91.8	91.8	92.4 92.9	92.4	92.9	92.9	92.9	92.9	93.0 93.4	93.0
≥ 500 ≥ 400	85.9 85.9	90.3	91.9	92.7 93.3	93.6	93.7	93.9	94.0 95.1	94.7 95.8	94.7	95.3	95.3	95.3	95.3	95.4 97.0	95.4 97.0
; ≥00 ≥ 300	85.9 85.9	90.6	92.4	93.7 93.7	95.1 95.1	95.2 95.2	95.9	96.2 96.7	96.9	97.0	97.9	78.1	98.2	98.4	98.6	98.6
5 100	85.9 85.9		1 7 7 1	93.7 93.7	95.1	95.2	96.1	96.7	97.4	97.7	98.6	98.8	99.0	99.3	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 0-14-5 (OL A. MEVIOUS EDITIONS OF THIS FORM ARE DESOLETE

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD 73-82

APR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING					1	1	VIŞI	BILLY (STA	ATUIE MIL	£ S						
FEET	≥10	≥6	≥ 5	F 4	.≥3	≥2!ı	2.2	≥i.	<u>≵</u> 1	≥:	≥ '4	≥`,*	2	≥ 5 16	2 .	≥0
NO CEUNG ≥ 20000	45.6 54.9	45.6 55.0		45.6 55.0	45.6 55.0	45.6 55.0	45.6 55.0	45.6 55.0	45.6 55.0	45.6 55.0	45.6 55.0	45.6	45.6 55.0	45.6 55.0	45.6 55.0	45.6 55.0
≥ 18000 ≥ 14000	55.0 55.0	55.1 55.1	55.1 55.1	55.1 55.1	55.1 55.1	55.1 55.1	55.1 55.1	55.1 55.1	55 • 1 55 • 1	55.1 55.1	55.1 55.1	55.1 55.1	55.1 55.1	55.1 55.1	55.1 55.1	55.1 55.1
≥ 14000 ≥ 12000	55.2 54.7	55.3 56.9	55.3 56.9	55.3 56.9	55.3	55.3 56.9	55.3	55.3	55.3 56.9	55.3 56.9	95.3 56.9	55.3 56.9	55.3 56.9	55.3	55.3 56.9	55.3 56.9
≥ 10000 ≥ 9000	59.9 60.3	60.7	60.1 60.7	60.1 60.7	60.1	60.1	60 • 1 60 • 7	60.1	60.1	60.1 60.7	60.1	60.1	60.1	60.1 60.7	60.1	60.1
≥ 8000 ≥ 7000	62.3 64.0	63.0	63.0	63.0	64.7	64.7	63.0 64.7	63.0	64.7	63.0 64.7	63.0 64.7	63.0	63.0	63.0	63.0	63.0
≥ 6000 ≥ 5000	65.2 66.9	65.9 67.8	65.9 67.8	65.9 57.8	65.9	65.9	67.8	67.8	65.9	65.9 67.8	65.9 67.8	65.9	67.8	65.9	65.9	65.9
.: 4500 .: 4000	68.6 72.7	73.6	73.6	69.4 73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 3500 ≥ 3000	75.7	76.9	77.0		77.0 81.0	77.D	77.1	81.3	77.1	77.1	77.1 81.3	77.1	77.1 81.3	77.1 81.3	77.1	81.3
≥ 2500 ≥ 2000	81.9	83.7	84.0 86.0	84.0 86.0	84.0	84.0	84.1	86.7	84.3	84.3	84.3	84.3	84.3	84.3	86.8	84.3
≥ 1800 ≥ 1500	83.7	85.9	86.2	86.2	86.3	86.3	86.6	86.9	86.9	86.9	87.0	88.9	87.0	87.0	87.0	88.9
3 1000 3 1500	86.7	90.6	91.0	91.4	90.1	91.7	92.0	91.0	91.0	91.2	91.3	91.3	91.3	93.2	91.3	93.2
≥ 900 > P00	88.8	91.7	92.1	92.7	93.3	93.3	93.2	94.3	93.9	94.3	95.1	95.2	94.4	95.2	95.2	95.2
≥ 700 ≥ 600	89.1	92.1 92.1	92.8	94.0	93.7	93.7	94.6	94.7	94.7	95.3	95.4	96.4	95.6	95.6	95.6	95.6
2 400 2 300	89.1	92.2	93.0	94.2	94.4	94.8	94.8 95.4 95.7	96.2	95.9 96.7 97.2	96.7 97.4 98.1	97.2 98.0 98.8	98.1	97.3 98.1 99.1	98.2	98.2	98.2
2 200	89.1	92.2	93.0	94.7	95.0	95.0 95.0	95.9	97.1	97.8	98.7	99.6	99.7 99.7	99.9		00.0	
	89.1	92.2	93.0	;		95.0	:		:	98.7		99.7		00.01		

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DESOLETE

CEILING VERSUS VISIBILITY

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726625 ELLSWORTH AFB SD

73-82

APR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CHING							V15	BILITY ST	ATUTE MIL	ŧs						
FEE1	210	≥6	≥5	≥ 4	23	2 2.	27	≱i.	4 ا≨	21	،' <u>چ</u>	≥ ,	≥ :	≥5 16	≥.	≥0
NO CEIUNG ≥ 20000	43.8 54.7	43.9 54.8		43.9	43.9 54.8	43.9	43.9		43.9 54.8	43.9 54.8	43.9 54.8	43.9	43.9	43.9 54.8	43.9	43.9
≥ 18000 ≥ 16000	54.9 55.6	55.0 55.7	55.0 55.7	55.0 55.7	55.0 55.7	55.0 55.7	55.0 55.7	55.0 55.7	55.0 55.7	55.0 55.7	55.0 55.7	55.0 55.7	55.0 55.7	55.0 55.7	55.0 55.7	55.0 55.7
≥ 14000 ≥ 12000	56.6 57.4	56.7 57.6	56.7 57.6	56.7 57.6	56.7	56.7 57.6	56.7 57.6	56.7 57.6	56 • 7 57 • 6	56.7 57.6	56.7 57.6	56.7 57.6	56 . 7 57 . 6	56.7 57.6	56.7 57.6	56.7 57.6
≥ 10000 ≥ 9000	60.2 61.1	60.4 61.3	60.4 61.3	60.4 61.3	60.4	60.4	60.4 61.3	60.4	60.4 61.3	60.4	60.4	60.4	60.4	60.4	60.4 51.3	60.4
≥ 8000 ≥ 7000	64.3	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	54.6	64.6
5 200€, 5 200€	67.6 70.1	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.6	67.8
≥ 4500 ≥ 4000	71.1 76.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3 76.8	71.3	71.3	71.3		71.3	
≥ 3500 ≥ 3000		80.3	80.8	81.0		81.0	81.0	81.0	81.0	81.0			81.0	81.0	81.0	
≥ 2500 ≥ 2000	83.9		86.8	87.0		87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	67.1	87.1	87.1
≥ 1800 ≥ 1500	85.8	88.6	89.1	89.3 90.6	89.3	89.3	89.6	89.6	89.6	89.6	89.6	89.7	89.7	89.7	89.7	89.7
≥ 1200 ≥ 1000	88.0	91.2	91.9	92.1	92.1	92.1	92.4	92.8	92.8	92.9	93.0	93.1	93.1	93.1	93.1	
.: 900 ≥ 800	89.5	92.9	93.6	94.0	94.0	94.6	94.3	94.7	94.7	94.9	95.0	95.1	95.1	95.1	95.2	95.2
≥ 700 ≥ 600	89.5	93.6	94.4	95.1	95.1	95.1	95.4	95.4	95.8	96.3	96.7	96.8	96.9	96.9	97.0	97.0
.: 50k ≥ 400	89.9	94.0	95.0	96.0	96.0	96.0	96.3			97.3		97.8		97.9	98.0	98.0
± 300 ± 200 j	89.9	94.0	95.1	96.2	96.2	96.2	96.6	96.9			98.6	98.8	98.9	98.9	99.0	99.0
2 100 j 2 7 j		94.0	95.1	96.2	96.3	96.3	96.7		97.1	98.3	99.3	99.6	99.9	99.9	00.0	00.0

TOTAL PRIMISES OF DESERVATIONS

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD

73-82

APR.

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

CEHNG						···	VI5	IBILITY ST.	ATUTE MIL	FS						
FEET	≥10	≥6	≥ 5	≥ 4	ز ج	≥2.	≥7	≥1.	≥1.	≥)	2.	٤,	≥ .	25 16	2.	2٥
NO CEUN:> ≥ 20000	49.5 58.3	49.7	49.7 58.5	49.7 58.5	49.7 58.5	49.7 58.5	49.7	49.7 58.5	49.7 58.5	49.7 58.5	49.7 58.5	49.7	49.7	49.7	49.7 58.5	49.7 58.5
≥ 18000 ≥ 18000	58.6 58.6	58.8 58.8	58.8 58.6	58.8 58.8	58.8 58.8	58.8 58.8	58.8 58.8	58.8 58.8	58.8 58.8	58.8	58.8	58.8	58.8 58.8	58.8 58.8	58.8 58.8	58.8 58.8
≥ 14000 ≥ 12000	59.5 61.1	59.7 61.3	59.7 61.3	59.7 61.3	59.7 61.3	59.7 61.3	59.7 61.3	59.7 61.3	59.7 61.3	59.7 61.3	59.7 61.3	59.7 61.3	59.7 61.3	59.7 61.3	59.7	59.7 61.3
≥ 10000 ≥ 9000	64.7 65.5	65.7	65.0	65.0 65.7	65.0 65.7	65.0 65.7	65.7	65.0 65.7	65.0 65.7	65.0 65.7	65.0 65.7	65.0	65.0 65.7	65.0	65.0 65.7	65.0 65.7
± 8000 ± 7000	68.D 69.7		68.2 70.0	68.2 70.0	68.2 70.0	68.2 70.0	68.2 70.0	68 - 2 70 - 0	68.2 70.0		68.2 70.0	70.0	68.2 70.0	68.2 70.0	68.2 70.0	68.2 70.0
. 6000 . 500a	71.0 72.7	71.3 73.1	71.4 73.2	71.4	71.4 73.2	71.4 73.2	71.4 73.2	71.4 73.2	71.4	71.4 73.2	71.4 73.2	71.4	71.4 73.2	71.4 73.2	71.4 73.2	
450c 400c	74.3 77.8	74.7	74.9 78.8	74.9	74.9 79.0	74.9 79.0	74.9 79.0	74.9 79.0	74.9		74.9 79.0	74.9	74.9 79.0	74.9 79.0	í	74.9 79.0
3500 3500	80.3 82.2	81.5	81.8 84.4	82.1	82.2 85.0	82.2	82.2 85.0	82.2 85.0	82.2	82.2 85.0	82.2	82.2	82.2	82.2 85.0	82.2	82.2
≥ 2500 ≥ 2000	83.2 85.1	85.4 88.0	85.8	86.2 88.9	86.3	86.3 89.0	86.3	86.3 89.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3 89.0
± 1800 ± 1500	85.5 87.1	88.4	86.9 90.8	89.3 91.2	89.4	99.4 91.4	89.4 91.4	89.4	89.4	89.4	89.4	89.4	91.4	89.4	89.4 91.4	89.4
≥ 1200 • 1000	87.8	90.9	91.7 92.2	92.1 92.7	92.3 92.9	92.3 92.9	92.3	92.3 92.9	92.3	92.3 92.9	92.3	92.3	92.7 93.2	92.7	92.7	92.7
≥ 900 ± 800	89.0	92.2 92.5	93.0 93.3	93.4 93.8	93.7	93.7 94.0	93.7 94.0	93.7 94.1	93.7	93.7 94.5	93.7	93.7	94.0	94.9	94.0	94.9
: 7(n- ≥ 600 i	89.2 89.3	92.8	93.5 93.8	94.0	94.2	94.2	94.2	94.3	94.3	94.8	94.8	94.8	95.1	95.1	95.1	95.1
.: 500 .: 400	89.3	92.9	93.8	94.5	94.9	94.9	94.9	95.1 95.8	95.2	95.9	95.9	95.9 96.7	96.2 97.0	96.2	96.2	96.2
± 100	90.0	93.9	94.9	95.9	96.3 96.7	96.3 96.7	96.4	97.2 97.6	97.6	78.3	98.3 99.1	94.4	98.8	98.8	98.8	98.8
• B ₂	90.0	93.9	95 · 1	96.1			96.8	97.6		98.9	99.1			00.0	,	1

TOTAL NUMBER OF OBSERVATIONS ___

499

USAF ETAC 0-14-5 (QL A) mevious aprilons or this form are obsolete

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD

73-82

APR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2130-2300

CEILING.							VIS	iBitity -St	ATUTE MIL	15						
· +561 ·	≥10	≥ 6	≥ 5	≥4	≥3	≥ 2.	≥ 2	≥: .	≥1,	21	≥ 4	≥ `₁	≥ :	2516	≥ .	≥0
NC CEUNG ≥ 20000	57.2 62.9	57.4 63.1	57.6 63.2	57.6 63.2	57.6 63.2			57.6 63.3		57.6 63.3	57.6 63.3	57.6 63.3	57.6 63.3	57.6 63.3		57.6 63.3
≥ 18000 ± 16000	63.0 63.7		63.3 64.0	63.3 64.0	63.3 64.0	63.3	63.4 64.1	63.4	63.4	63.4 64.1	63.4 64.1	63.4	63.4	63.4	63.4	63.4
≥ 14000 ≥ 12000	64.6	64.2	64.3		64.3	64.3	64.4 65.0	64.4 65.0	64.4 65.0	64.4 65.0	64.4 65.0	64.4	64.4 65.0	64.4 65.0	64.4 65.0	64.4 65.0
≥ 10000 ≥ 9000	66.9	67.1 67.7	67.2 67.8	67.2 67.8	67.2 67.8	67.2	67.3 67.9	67.3 67.9	67.3 67.9		67.3 67.9	67.3	67.3	67.3	67.3	
≥ 8000 ≥ 7000	69.9	70.1	70.2 71.6		70.2 71.6	70.2	70.3	70.3		70.5	70.3 71.7	70.3	70.3	70.3 71.7	70.3 71.7	
≥ 6000 .: 5000	73.1	73.3			73.4	73.4	73.6		73.6	73.6	73.6	73.6	73.6	73.6	-	73.6
÷ 4500 ≥ 4000	76.1		76.6			76.6	76.7	76.7		76.7	76.7			76.7	76.7 79.2	76.7
≥ 3500 2 3000	80.2		81.1	81.1	81.1			81.2	81.2			81.2		81.2	81.2	
≥ 2500 ≥ 2000	83.1	84.2	84.7	84.7			84.8	84.8			84.8	84.8	84.8	84.8	84.8 85.7	84.8
≥ 1800 ≥ 1500	84.1	85.3	85.8	85.9	85.9	85.9	86.0	86.2	86.0	86.0	-	86.0	86.0	86.0	86.0	86.0
≥ 1200 ≥ 1000	86.2	88.2	88.8	88.9	89.1 90.2	89.1	89.2	89.3	89.3	89.3	89.3	89.3		89.3	89.3	
> 900 ≥ 800	87.4	89.9	90.6		91.3	91.3	91.4	71.6	91.6	91.6	-	91.6	71.6		91.6	91.6
≥ 700 ≥ 600	88.4	91.1	92.2	92.8		93.0	93.2		93.4	93.4	93.4		93.6	93.6	93.6	- 1
> 500 → 400	88.7	92.0	93.4		94.2		94.4		95.0	95.0	95.0			95.3		95.3
300 200	88.8	92.8	94.4	95.2		95.8	96.0		97.3	97.4		98.1		90.2	96.1 98.2 99.7	98.2
ioc	88.8	92.8	94.4	95.2	95.9	95.9	96.3	97.8	98.1	98.7	99.0	99.6	99.8	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD 73-82 YEAR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOLD IS

"FIUNG							VIS	BILITY ST	ATUTE MIL	F.S						
+661	≥10	≥6	≥5	≥4	2.5	≥2.	27	≥՝۱.	51.	. ₹1	≥ '4	≥ '×	<i>2</i> .	2516	٠ ج	خن
NO CEILING ≥ 20000		51.3 58.8	51.4 58.9	51.4 58.9	51.4 58.9	51.4 58.9					51.5 59.0					
≥ 18000 ≥ 16006	58.7 59.0		59.1 59.4	59.1 59.4	59.1 59.4	59.1 59.4	59.1 59.4	59.2 59.5		59.2 59.5	59.2 59.5	59.2 59.5		59.2 59.5	59.2 59.5	
. ≥ 14000 : 17000	59.6 60.7	59.9 61.0	59.9 61.1	60.C	61.2	60.0	60.0 61.2	60.0	60.0	60.1 61.2	60.1	6C.1	60.1	60.1	60.1	61.3
5 8000 5 10000	64.2	63.8	64.6	64 • 0 64 • 7	64.7	64.0	64.0		64.1	64.1	64.1	64.1	64.1	64.1		64.1
≥ 8000 ≥ 2000 ≥ 6000		68.2	68.4	68.4	68.5	68.5	67.0	68.5	64.5	67.1 68.5	68.5	68.5	68.6	68.6	68.6	68.6
50:Xi	69.0 71.1 72.2	69.5 71.7 72.8	71.8	71.9	71.9	71.9	72.0	72.U	72.D 73.1			72.0	72.1	69.8 72.1 73.2	69.8 72.1 73.2	72.1
.: 4000 .: 3500	75.1 76.9	75.8	76.0	76.1 78.3	76.1	76.1	76.2	76.2	76.2	76.2 78.5	76.2	76.2	76.3	76.3	76.3	76.3 78.6
≥ 3000 ≥ 2500	79.5	80.7	81.2 83.0	81.4	81.5	81.5	81.6	81.7	81.7	83.6	81.7	81.7	81.7	81.7	;	81.8
≥ 7000	82.5	84.4		85.3	85.7	85.5	85.6	85.7	85.7 86.0	85.8	85.8	85.8	85.8	85.8	86.2	85.9
≥ 1500 ≥ 1200	84.0	86.1	86.7	87.1	87.3	87.3	87.5	89.2	89.3	87.4	87.7	87.7	87.7	87.8		87.8
. 900 2 900 3 800 (86.4	89.2		1	90.8	,	91.1	91.3	91.3	91.5		91.5	91.6		91.7	91.7
± 700	86.8		91.0	91.6 91.6	91.9	91.9	92.2	92.5	92.6	92.9	93.0	93.1	93.2	93.2	93.3	93.3
. UX . 40k	87.2 87.2	90.2		92.7	93.1	93.2	93.4	93.9	94.0		93.7 94.7 95.8	74.8	94.9	95.J 96.2	93.9	
2 300 2 700	87.6	91.4	92.8		94.5	94.6					97.2				97.8	
	87.6	91.4	92.9	93.9	94.8.	94.9	95.6	96.6		97.8	98.5	98.8	99.1		99.5	99.8

USAF ETAC 0-14-5 (OL A) MEVIOUS FOITONE OF THIS FORM ARE DISSOLETE

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD

73-82

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200

CHUNG							¥15	iBiçtir St	AT ITE MIL	٤٢						
1881	≥10	≥.6	≥ 5	2.4	23	22.	2.7	21	<u>.2</u> 1 ,	2.	<u>.</u> .	≥ .	1	25 16		≥0
5 50000 5 50000	60.8				61.0											
2 18000 2 18000					66.5							66.5	1		66.5	1
2 14000 ≥ 12000	66.3	66.6 67.8		66.7	66.7 68.0		66.7 68.0					!	1	1 .	_	1
≥ 10000 ≥ 9000	72.2	73.1	73.2		73.2	73.2	72.5 73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
* 9000 } * 2000 .	75.6 76.5	76.7	75.9 76.8	76.8	76.8	76.8		76.8	76.8	76.8	76.8	76.8	76.8	78	76.8	76.
. 500t	79.1 82.4	82.6		82.7	79.5 82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.
≥ 4500 ≥ 4000 ≥ 3500	85.3	86.0	86.1	86.1	84.8 86.1	86.1	84 • 8 86 • 1 87 • 0	86.1	86.1	86.1	86.1	86.1	86.1	84.8 86.1 87.0	86.1	86.
≥ 3000 ≥ 2500	87.4	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4		88.4	88.
2 2000	89.5		91.2	91.2	91.2	91.2	91.2 91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.
± 1500 ≥ 1200			92.5	92.5	92.5 93.1	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.
2 1000	91.5		94.0	94.0 94.4	94.1	94.1	94.1 94.5	94.1 94.5	94.1 94.5	94.1	94.5	94.5	94.1	94.1	94.5	94.
≥ 800 ≥ 700	92.0	94.6	94.8	95.2	95.2 95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.
2 500 2 500 2 400	92.8		96.5	96.9	95.5 97.0	97.0	97.0	97.1	97.1	95.5	(97.1		97.1		97.
300	92.9	97.4		98.4	98.8		98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0		99.
: 00		97.7	98.2		99.1		99.4	- 1			99.8		99.8	99.5	00.0	

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 144 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD

73-82

HAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500

CHUNG		.,					V15	BILLITY 514	ATISTE MILI	5						1
1661	≥10	≥6	≥5	≥4 ;	<i>2</i> 3	≥2.	≥2	ر زج	214	≥1	2 4	≥ .	3 .	≥516	2.	≥0
NO (FILING)		57.1 63.8	57.1 63.8	57.1 63.8			57.1 63.8	57.2 63.9	63.9	63.9	63.9	63.9	63.9		57.3 64.0	
2 18000 :	63.4	63.8	63.8	63.8	63.8	63.8 63.8	63.8 63.8		63.9		63.9 63.9	63.9		63.9 63.9		64.1
\$ 14000 3:17000	63.8	64.1		64.1	64.1	64.1	66.1	66.2	66.2	66.2	64.2		66.2	66.2	66.3	66.5
2 10000 2 9000	69.7 70.5	70.2 71.1	71.1	70.2	70.2	70.2	71.1	70.3	71.2	71.2	70.3	70.3	71.2	70.3	71.3	70.5
- 8000 - 70(8)	72.5 73.0	73.1		73.2	73.2 73.8	73.2	73.8	73.9		73.3	73.3	73.3 73.9	73.3	73.9	73.4	74.1
2 500c	78.0	75.3 78.6	75 • 4	78.7	75.4 78.7	75.4	78.7	78.8	75.5	75.5 78.8	78.8	78.8 81.5	75.5 78.8 81.5	75.5 78.8 81.5	78.9	79.0
2 4500 2 4000 3 3500	81.6	81.3 82.8 83.7	82.9	81.4 82.9 83.8	81.4 82.9 83.8	- :	82.9		83.0	83.0	81.5 83.0	83.9	83.0	83.0	83.1	83.2
± 3000 ± 2500	33.9	85.2	85.3	85.3	85.3	85.3	85.3 86.3	85.4	86.5	85.4	85.4	85.4	85.4	85.4	85.5	85.6
≥ 2000 ≥ 1800	86.3		88.2	88.3		88.4	88.4		88.5	88.5	88.5	88.5	88.5	88.5	88.6	88.7 88.9
: 1500 	87.6	89.8 90.5		90.0	90.0		90.1 91.1	90.2 91.2			90.2 91.3					90.4 91.5
≥ 900 ≥ 900		91.4 92.0		92.0			/	93.3	93.3	93.4	93.4	i	93.4	92.8	93.5	93.7
.2 800 -2 700	89.8	92.6	92.9		93.4	94.0		94.4	1	94.5						- }
≥ 600 ≥ 500 ≥ 400	90.3	93.9	94.2	95.1	94.2	1	95.9		96.1			94.8		94.8	1	95.1 96.7
2 300 2 200	90.6 90.6	94.4	94.9	95.9	96.2 96.5 96.9		96.7 97.0	97.6	97.5	97.8	97.6 98.1 99.2	98.1	98.1	97,6 98.1		98.3
100	90.6		95.2	96.2	96.9	97.0	97.6	98.7	98.7	99.0	99.2	99.2	99.2	99.2		99.8

TOTAL NUMBER OF OBSERVATIONS...

USAF ETAC 0-14-5 (OL A) PREVIOUS FOITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

ELLSWORTH AFB SD

73-82

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HC IRLY OBSERVATIONS)

១៩០២-១៦១០

CEITING							V-S	iBiliti - St	ATUIL MIL	ł S						
1861	≥10	≥6	≥ 5	≥4	3 3	22:	2.2	≥',	21.	اخ	2.	2 .	<i>2</i> .	2510	2 4	20
NO CEUNG ≥ 2000	53.8 60.9										54.0 61.4			54.0		
\$ 14000 \$ 14000	60.9 61.0	61.2 61.3	61.Z 61.3	61.2 61.3		61.4	61.4 61.5			61.4		61.4	61.4 61.5	61.4 61.5	61.4	61.5
≥ 14000 ≥ 12000	61.5	61.8 63.8	61.8 63.8	61.8 63.8	61.9 63.9	61.9 63.9		,		62.0 64.0		62.0	62.0 64.0	62.0 64.0	64.0	
2 10000 ≥ 9000	68.3	70.0		69.0 70.0	69.1 70.1	69.1 70.1	69.2 70.2		69.2 70.2		69.2 70.2	70.2		69.2 70.2	69.2	
2 8000 2 7000	72.7		73.5		73.0 73.7	73.7		73.8	73.8	73.8		73.1 73.8	73.1 73.8	73.1 73.8	73.1 73.8	- 1
≥ 5000 ≥ 5000			78.0	78.1	78.2	78.2	78.3	78.3	78.3	78.3		74.9	74.9 78.3	74.9 78.3		/
≥ 4500 ≟ 4000	80.8	81.7	81.8		82.0	82.0	82.2	82.2	82.2	80.3 82.2	80.3	80.3	80.3	80.3	80.3 82.2	1
2 3500 .2 3000	82.9		84.6	84.7	84.8	82.7	82.8	85.1	85.1	82.8	82.8	82.8	82.8 85.1		82.8	
≥ 2500 ≥ 2000	83.5		86.8	86.9	87.0		87.2	87.2	87.2	86.0	87.2	86.0	87.2	87.2		87.3
2 1800 2 1500		87.0		87.7	87.8	87.8		88.1	88.1	88.1		87.2	88.1		88.1	87.3
≥ 1200 ≥ 1000		90.3	91.2		91.5		91.8		91.9		91.9			91.9	91.9	
. 900 ≥ 800	87.5	90.5	91.8	92.3		92.4	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.3	92.8	92.9
£ 600 : 500	87.8	91.2 91.5 92.2	92.6		93.4	73.4		94.1	94.1		94.2	94.2		94.2	94.2	93.5
2 300	88.0	92.2	93.5		95.4	95.5	96.1	96.5	96.5	97.0	96.2 97.0 98.1	97.0	97.0	96.2 97.0 98.1	97.1	97.2
2 700		92.2	93.7	94.7	95.8	95.9	97.0	97.6	98.1	99.1	99.2	99.2	99.2	99.2:	99.5	99.6
2 0	!										99.4					

TOTAL NUMBER OF OBSERVATIONS_

USAF ETAC 164 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

72.66.25 ELLSWORTH AFB SD NIME

73-82

нач.....

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2508-1700

CEIUNG	į						VI	SIBILITY ST	ATUIE MIL	ES.						
FEET	≥10	≥6	57	≥4	2 3	≥;	≥7	21.	<u>≥</u> : ₄	21	≥ '4	2%	2	25 16	• .	>
NO CEIUNG 2 20000	52.3	,	52.6 62.3								52.6 62.3				52.6	52.6 62.3
≥ 18(k)0 ≥ 18000	62.6			62.9 62.9	62.9	62.9	62.9	62.9	62.9	62.9		62.9	62.9	62.9	62.9	62.9
≥ 14000 ≥ 12000	63.5				63.9	63.9		63.9	63.9	63.9	63.9 66.1	63.9		63.9	63.9	
2 9000 ≥ 9000 ≥ 10000	69.2 69.7				69.9 70.3	69.9 70.3		69.9 70.3		69.9 70.3	1	69.9 70.3	69.9 70.3	69.9 70.3		
± 8000 ± 7000	73.1 74.0	,		73.8 74.6	73.8 74.6	73.8 74.6		,				73.8 74.6	73.8 74.6		73.8	73.8 74.6
> 6000 > 5000	74.7 77.4	75.4 78.1	75.4 78.1	75.4 78.2	75.4 78.2	75.4 78.2	75.4 78.2			-				75.4 78.2	75.4 78.2	75.4 78.2
≥ 4500 ∴ 4000	78.3 81.2	81.8	78.9 81.8	79.0 81.9	79.0 81.9	79.0 81.9	79.0 81.9		79.0 81.9			79.0	79.0 81.9	79.0	79.0	
± 1500 ± 3000	82.8	85.2	85.3	·	83.7	83.7 85.5		83.8 85.6		83.8	83.8	83.8	83.8 85.6	83.8	83.8	83.8 85.6
≥ 2500 ≥ 2000	86.7	87.5	87.0 87.7	88.0		87.3	88.3	87.4 88.3	87.4	87.4	87.4	87.4 88.3	87.4	87.4	87.4	87.4 88.3
≥ 1800 2 1500	87.1		88.4		88.8	89.6	89.7	88.9			88.9	88.9	88.9	88.9	89.7	88.9 89.7
2 1000 2 1000	90.1	92.4	91.5	93.3	93.7	93.7	93.8	92.3 93.8	93.8	93.8	93.8	93.8	92.3	93.9	93.9	93.9
2 900 2 800	90.4	93.4		94.6			95.1	94.4	95.1	94.4	94.4	94.4 95.1	94.5	95.2	95.2	94.5
≥ 700 ≥ 600	90.4	93.9	94.7	95.2	95.1 95.6	95.6		95.7	95.7	95.3 95.8	95.8	95.3 95.8	95.9	95.9	95.9	95.4
2 400 2 300	90.6 90.6	94.7		96.7	97.5	97.5	96.8	97.6	96.8 97.6 98.3	96.9		96.9	97.0 98.3		98.3	98.3
2 200	90.8	94.8	96.0	97.0	97.8	97.8	98.2	98.3	98.5	99.5	99.5	98.9	99.8	99.8		
2 /1	90.8		;	;	97.8	97.8	98.2	98.3	98.5	99.5	99.5	99.5	99.8		99.81	

TOTAL NUMBER OF OBSERVATIONS ___

USAF ETAC 14 0-14-5 (QL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

2 \

726625 ELLSWORTH AFB SD

73-82

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

€ENUNC.							VIS	igitita 21	Al-ife Wit	.ES						
+ €€1	≥10	≥6	≥ 5	≥ 4	23	≥2:	≥ ?	21.	ء اڍ	<u> </u>	ه' چا	2.,	≥ .	-≥518	2.	20
NO CEIHNU : 200X	. 7303													46.0 56.0		
≥ 18000 ≥ 16000	56.1 56.1										56.5 56.5		56.5 56.5	56.5 56.5	56.5 56.5	1
5 14000 5 14000	56.6 58.7									57.1 59.3	1		57 • 1 59 • 3	57.1 59.3	57.1 59.3	
.: 10000 > 900g	63.2 63.8		63.8 64.5			63.8 64.5					63.8		63.8	63.8	63.8	
± 8000 ± ₹000	67.5 68.8		68.1 69.4		68.1						68.1			68.1	68.1	
5 6500 5 5000	70.9 74.7	71.6 75.3			71.6 75.3	71.6 75.3	71.6 75.3			i	71.6 75.3	71.6	71.6 75.3	71.6 75.3	71.6 75.3	,
: 1550 : 4900	76.9 81.4	77.6 82.3	77.6 82.3		- 1					77.6 82.5	77.6 82.5	77.6		77.6 82.5	77.6 82.5	
2 7500 2 1000	83.2 85.9	84.5 87.3	84.5		84.6 87.6		84.6 87.6	84.6 87.6		84.6 87.6	1	84.6 87.6			84.6	
≥ 7500 ≥ 7000		88.2 90.1			- 1					88.7 90.7		88.7 90.7	90.7	90.7		90.7
2 1800 2 1500	89.6	92.1	92.5	91.0 92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	91.1 92.8	92.8	,	92.8	92.8
≥ 1200 ≥ 1000	91.7	94.7	95.2	94.1 95.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	94.3	96.1	96.1
900 ≥ 800		95.8	96.2	96.9	97.4	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6		97.6	97.6
≥ 700 ≥ 600		95.9	96.3	97.0	97.5	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1		98.1	94.1
≥ 500 ≥ 400		96.0	96.6		98.0	98.5	98.9	99.0	99.0	99.1	99.1	99.1	99.1		99.1	99.1
£ 300 ∴ 200		96.0		97.6	98.4	98.9	99.4	99.6	99.6	100.0	100.0	00.0	100.0	99.5	00.0	00.0
100		96.0		,		:	,	/			,		, ,	00.0	,	

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC - 184 0-14-5 (OL A) MENIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

2

726625 ELLSWORTH AFB SD NAME

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1,200

CFILING							VIS	IBILITY ST	ATUTE MIL	ŧS				and the second second		
-FEET-	≥10	≥6	≥ 5	≥ 4	≥ 3	≥7.	≥ 2	ài	21.4	≥1	<u> 2 'a</u>	≥	≱ .	25 16	2.	≥0
A 20000	46.1 57.2	;	1	46.6				46.6 57.6			46.6 57.6	46.6 57.6	46.6 57.6	46.6 57.6		46.6 57.6
≥ 18000 ≥ 16000	58.1 58.2	58.5 58.6	- 1	58.5 58.6	,	58.5 58.6	58.5 58.6	- 1	\$8.5 58.6	58.5 58.6	58.5 58.6	58.5 58.6	58.5 58.6	58.5 58.6	58.5 58.6	58.5 58.6
≥ 14000 ⊇ 12000	59.2 61.2	59.7 61.6	59.7 61.6	59.7 61.6	59.7 61.6	59.7 61.6	59.7 61.6	59.7 61.6	59.7 61.6	59.7 61.6	59.7 61.6	59.7 61.6	59.7 61.6	59.7 61.6	59.7 61.6	59.7 61.6
≥ 10000 ≥ 9000	65.8 67.6	66 • 2 68 • 1	66 • 2 68 • 1	66.2 68.1	66.2 68.1	66.2	66.2 68.1	66.2 68.1	66.2 68.1	66.2	66.2 68.1	66.2	66.2 68.1	66.2 58.1	66.2 68.1	66.2
≥ 8000 ≥ 7000	71.3 73.2	71.7 73.7	71.7 73.7	71.7	1 7 7 13	71.7 73.7	71.7 73.7		71.7 73.7	71.7 73.7	71.7 73.7	71.7	71.7 73.7		71.7	
.: 6000 • 5000	75.6 79.2	76.1 80.0		76.1 80.0		76.1 80.0	76.1	76.1 80.0	76 - 1 80 - 0	76.1 80.0	76.1 80.0	76.1		(-	76.1
2 4500 4000	80.5 85.4	81.3	81.3	81.3	81.3	81.3	81.3		81.3	81.3	81.3	81.3	81.3	81.3	81.3	
2 3500 2 3000	86.8 88.5	88.0 89.7	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	1	88.2
2 2500 2 2000	89.8 91.3		91.5 93.2	91.5	91.5 93.3	91.5	91.5		91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 1800 ⊇ ±500	91.7		93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8		93.8	
2 1200 2 1000	94.1	96.6 97.0	96.9	97.0	97.2	97.2		97.2				97.2			97.2	97.2
≥ 900 ≥ 800	94.5	97.0 97.1	97.3	97.5	97.7 98.0	97.7	97.7	97.7			97.7	97.7	97.7	97.7	97.7	97.7
≥ 700 ≥ 600	94.7	97.3	97.6	98.0	98.2	98.2	98.2	98.4	98.4	(98.4	98.4	98.4	98.4	98.4
≥ 500 ≥ 400	94.8	97.6	98.1	98.7	98.9	99.1	99.1	99.5	99.7	99.7		99.7	99.7	99.7	99.7	99.7
≥ 306 ≥ 200	94.8 94.8	97.6	98.1	98.7	98.9	99.1	99.1	99.8	0.00	00.0	100.0	00.0	100.0	00.0	100.0	00.0
> 100 > 0	94.8	97.6	98.1	98.7		99.1	99.1	99.81	00.01	00.0	00.0	00.00	100.0	00.0	00.0	00.0

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD

73-82

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

- CHING			The graph graderhands o				√ıs	Bicit* St.	ATUTE MIL	t S						
	≥10	ه≲	≥ 5	24	≥i	≥2.	≥7	≥ 1 .	≥) <u>.</u> (<	≥1	2 4	≥`•	2 .	2516		≥0
NO CEILING	51.7 60.3			52 • B			52.0 60.6									
2 18000 i ≥ 16000	61.3 61.3	61.5 61.5	61.6 61.6	61.6 61.6	61.6	61.6	61.6 61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6 61.6	61.6	61.6
≥ 14000 ≥ 12000	64.9	63.1 65.2	63.2 65.3	63.2 65.3	63.2 65.3	63.2	63.2 65.3	63.2 65.3	63.2 65.3	63.2 65.3	63.2 65.3	63.2	63.2	63.2 65.3	63.2	
≥ 10000 ≥ 9000	71.1 72.4	71.3	72.7	71.4	71.4	71.4	71.4 72.7	72.7	72.7	71.4 72.7	71.4	71.4	71.4	71.4 72.7	72.7	72.7
≥ 8000 ≥ 7000	75.3	77.1	77.2	75.6	75.6	75.6 77.2	75.6	75.6 77.2	17.2	77.2	75.6 77.2	75.6	75.6 77.2	77.2	75.6	77.2
1 ≥ 6000 2 50041 3 4500	79.6 82.8	79.8 83.0 84.1	83.1	79.9 83.1	79.9 83.1	79.9 83.1	83.1	79.9 83.1	83.1	83.2	79.9 83.2	79.9 83.2	A3.2	83.2	79.9 A3.2	83.2
≥ 4000 ≥ 3500	86.3	86.6	;	86.9	84.3 86.9 88.0	84.3 86.9 88.0	84.3 86.9 88.0	84.3 86.9 88.0	84.3 86.9 88.0	87.0	84.4 87.0 88.1	87.0 88.1	84.4	84.4 87.0 88.1	84.4 87.0 88.1	87.0
≥ 3000 ≥ 2500	89.1	89,9		90.3	1	90.3		90.3	(90.4	90.4	90.4	90.4	90.4	90.4	90.4
2 2000	92.5	93.9	94.4	94.7	94.7	94.7	94.7	94.7	94.7	99.8	94.8	94.8	94.8	94.8 95.2	94.A	94.8
≥ 1500	93.0	94.6	95.2 96.8		95.7	95.7 97.3	95.7		95.7		95.8	95.8	95.8	95.8	95.8	
≥ 1000 ≥ 900 ≥ 800	94.4	96.3	97.1	97.3	97.6	97.4	97.6	97.6	97.4	97.7	97.7	97.5				-
2 700 ≥ 600	94.4		97.2		97.5	97.7	1		97.6			97.7	97.8	97.8	97.8	97.8
≥ 500 ≥ 400	94.4	96.6 96.7		97.7 97.8 98.0	97.8 98.1 98.2	97.8 98.1 98.2	97.8 98.2 98.3	97.8 98.3 98.4	97.8 98.6 98.7	98.7	98.0 98.7 98.8	98.7	98.7 98.7	98.7	98.7 98.7	98.7
÷ 300 ÷ 200	94.5	97.0			98.8	98.8		99.4	99.7	99.8			99.8	99.8	99.8	99.8
> 100 2 0	94.5		98.0	98.8	99.0	99.0	99.1	99.6	99.9	00.0		00.0	00.0	00.0	00.0	00.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC - 40 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE DESCRETE

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD

73-82

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2100

CERUNG	! !						٧١S	BILITY ST	JIM. BIDIA	ES						
FEE1	≥ 10	≥6	≥ 5	24	23	22:	≥ 2	≱i.	≥1.	≥1	2 '4	≥ `,	-	≥5 16	2.	≥0
NC - CEIDNO ≥ 20000	60.5 66.4	60.7			60.7	60.7	1		7 7 1	60.7			60.7	60.7		
± 18000 ± 1600€	66.6	66.8		66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ (4000 ₹ 17000	67.3 69.2	67.5			67.5 69.4	67.5	67.5	67.5	67.5	67.5 69.4	67.5		67.5 69.4	67.5 69.4	67.5 69.4	67.5
≥ 9000 ≥ 9000	75.2 75.5	75.5 75.7	75.5 75.7	75.5 75.7	75.5 75.7	75.5 75.7	75.5 75.7	75.5 75.7	75.5 75.7	75.5 75.7	75.5 75.7	75.5	75.5 75.7	75.5 75.7	75.5 75.7	75.5 75.1
≥ 8000 ≥ 7000	77.9 79.5	78.3 79.9			78.3 79.9	78.3 79.9	78.3 79.9	78.3 79.9	78.3 79.9		78.3 79.9	78.3 79.9	78.3 79.9	78.3 79.9	78.3 79.9	78.3
≥ 6000 ≥ 5000	81.4 84.6	81.7 85.0			1	81.7 85.0	81.7 85.0	81.7 85.0		81.7 85.0	81.7 85.0	81.7	81.7 85.0	81.7 85.0	- T - 1	
≥ 4500 ± 4000	85.8 88.2	86.3	86.3 86.8	86.3 88.8	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3 88.8	86.3	
2 3500 ≥ 3000	88.9 89.5	89.7 90.5	89.7 90.5			89.7 90.5	89.7 90.5		- 1		89.7 90.5	89.7 90.5	89.7 90.5	1	89.7 90.5	
≥ 2500 ≥ 2000	92.1					92.2 93.2	92.2 93.2	93.2		93.2	92.2	92.2	93.2	1	92.2	
≥ 1800 ≥ 1500	92.4 92.7			94.1		94.1		94.1	93.4	94.1	94.1	93.4	93.4	94.1	93.4 99.1	93.
2 1000 2 1000	93.4 93.9	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9		95.9	95.9	95.9	95.9		95.
≥ 900 ≥ 800	93.9 93.9	96.D		96.0	96.1	96.0 96.1	96.1	96.0	96.0	96.1	96.0 96.1	95.1	96.1	96.1	96.0 96.1	96.
≥ 700 ≥ 600	94.0	96.6	96.6			96.2 96.7		96.7	96.7	96.7		96.7	96.7		96.7	96.
.: 500 : 400		98.3	98.4	98.6	98.8	98.8	98.9	97.8	99.0	99.0		99.0	99.0	99.0		99.
2 300 2 200	94.5		98.7	99.1		99.4		99,7	99.8	99.6	100.0		100.0	100.0		100
. 100 ≥ 0			98.7 98.7							100.0		,				

TOTAL NUMBER OF OBSERVATIONS _

USAF ETAC 1.04 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY STATUTE MIRES HEET ≥1. ≥1. | ≥1 | ≥4 53.4 53.7 61.5 61.8 ± 18000 ≥ 18000 ≥ 12000 > 9000 2 7000 6000 4500 3500 2 2500 1800 1200 700

96.5 97.6 98.2 98.3 98.6 99.1 99.2 99.6 99.7 99.7 99.7 99.7 99.8 99.8

92.3 96.1 96.8 97.6 98.2 98.3 98.7 99.1 99.3 99.7 99.7 99.7 99.8 99.8 99.9100.0 92.3 96.1 96.8 97.6 98.2 98.3 98.7 99.1 99.3 99.7 99.7 99.7 99.8 99.8 99.9100.0

TOTAL NUMBER OF OBSERVATIONS 7435

USAF ETAC 10.164 0+14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

92.3 96.1

CEILING VERSUS VISIBILITY

726625

ELLSWORTH AFB SD

73-82

- Min

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2000-0200

CEIUNG							VI\$	iBi, ir Si	dure mil	FS.						
FFET-	≥10	≥ 6	2.5	2.4	≥3	≥2.	≥ 2	≥.	21.	21	2.4	2.4	2 .	≥5 16	÷ .	≥0
NO CEILING 2 20000	68.3 73.7	68.5 74.1		68.5 74.1	68.5 74.1	68.5 74.1			68.5	68.5 74.1	68.5 74.1	68.5 74.1	68.5 74.1	68.5 74.1	68.5 74.1	68.5 74.1
± 18000 ± 16000	74.1 74.1	74.3	74.3 74.4	74.3 74.4	74.3 74.4	74.3 74.4	74.3 74.4	74.3	74.3	74.3	74.3	74.3 74.4	74.3 74.4	74.3 79.4	74.3 74.4	74.3
≥ 14000 ≥ 12000	74.6 76.9	75.0 77.2	75.0 77.2	75.0 77.2	75.0 77.2	75.0	75.0 77.2	75.0	75.0	75.0 77.2	75.0	75.0 77.2	75.0 77.2	75.0 77.2	:	75.0 77.2
≥ 10000 ≥ 9000	80.4 80.6	80.8 81.0	80.8	80.8 81.0	80.8	80.8	80.8	80.8	80.8	1	80.8	80.8	80.8	80.8	80.6	80.8 81.0
± 8000 ≥ 7000	83.9 84.8	84.2 85.1	84.2 85.1	84.2 85.1	84.2 85.1	84.2 85.1	84.2 85.1	84.2 85.1	84.2 85.1	84.2 85.1	84.2	84.2	84.2	84.2 85.1	84.2 85.1	84.2 85.1
≥ 6000 ≥ 5000	86.2 89.3	86.5	86.5	86.5 89.7	86.5 89.7	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	,
2, 4500 2, 4000	90.9 92.3	91.2 92.8	91.2 92.8	91.2 92.8	91.2 92.8	91.2 92.8	91.2 92.8	91.2	91.2	91.2	91.2	92.8	91.2	91.2	91.2	91.2 92.8
: 3500 : 3000	93.9 95.8	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 7500 ≥ 2000	95.8 96.2	96.3	96.3	96.3 97.0	96.3	96.3 97.0	96.3	96.3	96.3	96.3 97.0	96.3	96.3	96.3	96.3 97.0	96.3	96.3 97.0
.: 1800 ≥ 1500	96.9	97.0 97.8	97.0 97.3	97.0	97.8	97.8	97.0 97.8	97.8	97.8	97.8	97.8	97.0	97.0	97.0	97.0	97.8
≥ 1200 ≥ 1000	97.3	97.8	97.8 98.2	97.8 98.2	97.8	97.8		97.8	97.8	97.8	-	97.8	97.8		98.2	97.8
≥ 900 ≥ 800	97.6	98.2	98.2	98.2 98.4	98.Z	98.2	98.2			98.2	98.2	98.2	98.2 98.7	98.2	98.7	
≥ 700 ≥ 600	97.8	98.6	98.6	98.6	98.5	98.7	98.7	98.8	98.5	98.8	98.9	78.8	98.9	98.9	98.8	98.8
≥ 500 i ≥ 400 i	97.8	98.8	98.8	98.8	99.6	99.6		99.0	99.0	79.5	99.0	99.0	99.0	99.8	99.0	99.8
2 200 2 200 100	98.0	99.6	99.6	99.7	99.7	99.7	99.9		- 7	00.00		00.0	99.9	99.9	00.0	
2 '- 1			99.6	;	99.8	99.8				100.01				00.01	1	

USAF ETAC 0-14-5 (OL. A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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CEILING VERSUS VISIBILITY

726625

ELLSWORTH AFB SD

73-82

----ส์หัด

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500

i CHING				~		·	V (\$1	BU117 ST	ATUTE MIL	5						
j 1167	≥10	≥ 6	≥ 5	2.4	23		27	≥'.	31.	2' :	2.4	2 .	ž į	±516		20
: 20000) : 10,000	67.2 6 72.9 7						67.4					67.4			67.6	
≥ 18000 ⇒ 18000	73.2 7 73.2 7	3.3	73.4	73.4 73.4	73.4	73.4	73.4 73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.6	73.6
2 14000 2 12000	75.2 7	5.4		75.6	75.6	75.6	73.6 75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.7	
> 10000 > 9000 		9.9	80.0	80.0	80.0	80.0	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.1	80.1
2 8000 2 7000 2 6000	84.0 8	5 - 1	85.2	85.2	85.2	85.2		85.2	85.2	85.2	85.2	85.2	85.2		85.1	85.3
* \$600 * \$600 * \$500	86.1 8 89.3 8 90.2 9	9.6	89.7	89.7	89.7	89.7	86.4	89.7	89.7	89.7		89.7	89.7	89.7		89.8
2 4000	91.8 9 93.0 9	2.0	92.1	92.1	92.1	92.1		92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.2	9242
2 3000	94.2 9	4 . 6	94.7	94.7	94.7	94.7	94.7	24.7	94.7	94.7	99.7	94.7	94.7	94.7	94.8.	94.8
≥ 2000 ≥ 1800	95.2 9 95.3 9			95.7 95.8		95.7		95.7	95.7	95.7	95.7	25.7	95.7		95.4	25.4
2 1200	95.8 9 95.9 9		96.3 96.4	96.6	96.4	96.4 96.6	96.6	96.4	96.4	96.6	96.4	76.6	96.6	96.6	96.7	96.7
.: ¥00 ≥ 800	96.2 9	6.9	97.0	97.1	97.1	97.1	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.2	97.2
> 700 2 600	96.4 9	7.3	97.4	97.6	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.9	97.9
± 500 ± 400	96.8 9	7.8	97.9	98.2			98.6	98.7	98.7	98.7	98.7 98.7 99.3	98.7	98 . 8	98.8	98.9	98.9
. 300 2 200	96.8 9	8.1	98.3	99.0		99.3	99.4	99.6	99.6	99.6		. 9.6	99.7	99.7		99.8
• 100 2 0	96.8 9	8.1	98.3	99.0	99.3	99.4	99.7	99.8	99.8	99.8	99.8.	99.8	99.9		00.01	00.0

OTAL NUMBER OF CREEKVATIONS 970

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS C. THIS FORM ARE DESCRI

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CEILING VERSUS VISIBILITY

ELLSWORTH AFB SD

73-82

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ចទី១៦-១៦០០

- CHUNG							VISI	BILITY STA	itojtę mili	5						1
· FEE!	316	26	25	24	2.3	≥?	2.7	≥1	≥١, '	21	2 - 1	2 .	2 .	25 16	• , .	33
1 20100	69.4 74.0	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6 74.1	69.6	69.6 74.1	69.6
्राधाः करः <u>क</u>	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
1400 1700	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0 76.7	75.0
± 930k;		80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
2 8(30)		83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
> 5(XX) > 5(XX) (86.0	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
45(H) 4-1XX.	88.8	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
2 3568 2 3006	90.8	91.0	91.2	91.2	91.2	91.2	91.2.	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2 93.0	91.2
2 2500 2 2000	92.3	92.7	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.2	93.1	93.1	93.1	93.1	93.1
: 1500 : 1806	93.4	94.0	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
200, 2 (XXV)		95.4	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
> 900 2 800	95.1 95.2	96.3	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 200 ≥ 600	95.3	96.6	97.1	97.4	97.4	97.4	27.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4 98.0	97.4
.: 5UL .: 400	95.3	96.7	97.6	98.2	98.3	98.3	98.4	98.6	98.6	98.6	98.6	78.6	98.6	98.5	94.6	98.6
3 300 100	95.6	97.0	97.9	98.7	98.8	78.8 98.7	98.9	99.0	99.1	99.1	99.4	99.4	99.6	99.6	99.6	99.6
N,															99.91	

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 1 24 0-14-5 (OL A) MENIOUS EDITIONS OF THIS FORM ARE DISOLETE

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD

- JUN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100

FILING	!						VI5	ibility St.	ATUTE MIL	ES						
1,61	_10	≥ ა	2.5	≥ 4	≥3	≥2.	22	≥ì,	≥١.	21	≥ '4	5 ,*	≥.	25 16	≥ .	≥0
NO CHUNG	71.8 79.1		71.8 79.2								71.8 79.2					
2 18000 2 16000	79.2 79.4				79.3 79.6						79.3 79.6				79.3 79.6	
14000 2 17000	79.9 85.7		! }		80.0				1		80.0 80.6	;			80.0 80.8	
00001 ≤ 9000 ≤	82.7 83.2	83.3	83.3	83.3	82.8	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	82.8	83.3
* 8000 ; * 7000 ;	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3		86.3	86.3	86.3	85.3	86.3
2 5000 F	57.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.0 87.8	87.8	87.8	87.8	87.8	
4500	90.7	90.9	90.9	9101	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
2 3500 2 3000 1 ≥ 2500	93.3	93.6	93.7	93.9	94.0	94.0	29.0	94.0	99.0	94.0	92.0	94.0	94.0	94.0	94.0	94.0
≥ 1800 ≥ 1800	94.3	24.6	94.7	94.9	95.0	95.0	95.0	95.0	95.0	95.0	94.2	95.0	95.0		95.0	95.0
2 1500 2 120c	95.4	95.9	96.1 96.3	96.4		96.6	96.6	96.6	96.6	96.6	95.3 96.6 96.8	96.6	96.6	96.6	96.6	96.6
2 1000	96.1	96.7	97.0	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800	96.2	96.9	97.2	97.6	97.7	97.7	97.7	97.7	97.7	97.7		97.7	97.7	97.7	97.7	97.7
2 500	96.4	97.1	97.7	98.0	98.1	90.1	98.1	96.1	98.1	98.1	98.1 99.0	98.1	98.1	98.1	98.1	98.1
≥ 400 ≥ 300		97.6	98.3	98.7	99.1	99.2	99.2	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
7 200 100						99.7	99.7	99.8	99.9	00.0	00.0	00.0	00.0	00.0	ום. ממ	00.0
: 0	96.8	97.6	98.3	98,9	99.6	99.7	99.7	99.4	99.9	00.0	00.0	00.0	00.01	00.0	00.01	00.0

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY QBSERVATIONS)

1200-1400

CFILING							V1\$	BILITY ST	ATUTE MIL	ES						
-FEET-	≥10	≥ 6	≥ 5	≥4	≥ 3	≥2.	≥ ?	≥`;	21.	2:1	≥ '4	≥ '•	≥ .	25 16	2 .	≥0
NO CERING 2 20000	59.5 72.3		59.5 72.3	59.5 72.3		59.5 72.3	59.5	59.5 72.3	59.5 72.3	59.5 72.3						
≥ 18000 ≥ 16000	72.6 72.6	72.6 72.6	72.6 72.6	72.6 72.6	72.6 72.6	72.6	72.6 72.6	72.6	72.6	72.6	72.6 72.6	72.6	72.6 72.6	72.6 72.6	72.6	72.6
≥ 14000 ≥ 12000	73.6 75.4	73.6 75.4	73.6 75.4	73.6 75.4	73.6 75.4	73.6 75.4	73.6 75.4	73.6	73.6 75.4	73.6 75.4	73.6 75.4	73.6 73.4	73.6 75.4	73.6 75.4	73.6	73.6 75.4
≥ 10000 ≥ 9000	79.1 79.8	79.1 79.8	79.1 79.8	79.1 79.8	79.1 79.8	79.1 79.8	79.1 79.8	79.1 79.8	79.1 79.8	79.1 79.8	79.1 79.8	79.1 79.8	79.1 79.8	79.1 79.8	79.1 79.8	79.1 79.8
≥ 8000 ≥ 2000	82.1	82.1 84.2	82.1	82.1 84.2	82.1 84.2	82.1	82.1	82.1	82.1 84.2	82.1	82.1	82.1 84.2	82.1 84.2	82.1	82.1	81.1
≥ 6000 ≥ 5000	85.3	85.3 87.8	85.3 87.8	85.3	85.3 87.8	85.3	85.3 87.8	85.3	85.3 87.8	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 4500 ≥ 4000	88.9 92.7		92.7	88.9 92.7	88.9 92.8	88.9 92.8	88.9 92.8	92.8	88.9 92.8	92.8	88.9 92.8	88.9 92.8	92.8	92.8	88.9 92.8	92.8
≥ 3500 ≥ 3000	94.0	95.6	95.6	95.6	94.1	94.1	94.1 95.7	94.1	94.1	94.1	94.1 95.7	94.1 95.7	94.1	94.1	94.1	94.1
≥ 2500 ≥ 2006	95.9	96.4	96.4	96.0	96.1	96.1 96.7	96.1 36.7	96.1	96.1	96.1	96.1	96.1 96.7	96.1	96.1 96.7	96.1	96.1 96.7
≥ 1800 2 1500 ≥ 1200	96.4 96.9 97.0	96.6 97.1	96.6	96.6 97.1 97.2	96.8 97.4 97.6	96.8	96.8	96.8	96.8	96.8	96.8	76.8 97.4	96.8	96.8	96.8	96.8
≥ 1000 ≥ 900	97.8	98.2	98.2	98.2	98.6	97.6 98.6 98.6	97.6 98.7 98.7	97.6 98.7 98.7	97.6 98.7 98.7	97.6 98.7 98.7	97.6 98.7 98.7	97.6 98.7 98.7	97.6 98.7 98.7	97.6 98.7 98.7	97.6 98.7 98.7	97.6 98.7 98.7
≥ 800 ≥ 700	97.8	98.2	98.2	98.2	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7		98.7	98.7 98.9	98.7
≥ 600	97.9	98.4	98.4	98.4	98.8	98.8		98.9		98.9	98.9	98.9	98.9	98.9	98.9	78.9 99.6
2 400 2 300	98.1	99.2	99.3	99.4	99.9	99.9	100.0	00.0	00.0	100.0	00.0	00.0	00.0		00.0	00.0
2 200	98.1	99.2	99.3	99.4	99.9		00.0				00.0			00.0		
U	98.1	99.2	99.3	99.4	99.9									100.01	. ,	- /

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD 73-82 YER STATION NAME TO STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEUNG	!						VIS	IBILITY ST	ATUTE MIL	ŧs.						
	≥10	≥6	≥5	24	د چ	≥7⊹	27	. ا`≤	∡ ا≲	₹1	≥	≥ `₄	≥ .	≥ 5 16	: . •	≥υ
SOUND SOUND	54.6 68.9		54.6 68.9	54 • 6 68 • 9	54.6	54.6 68.9	54.6 68.9	54.6 68.9	54.6 68.9	54.6 68.9	54.6 68.9	54.6	54.6 68.9	54.6	54.6 68.9	54.6
≥ 18000 ≥ 16000	69.1	69.1 69.1	69.1 69.1	69.1 69.1	69.1 69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 14000 ≥ 12000	69.8 72.3	69.8 72.3	69.8 72.3	69.8 72.3	69.8	69.8 72.3	69.8	69.8	69.8	69.8 72.3	69.8	69.8	69.8	69.8	69.8	69.8
≥ 10000 ≥ 9000	73.6 79.0	78.6 79.0	78.6 79.0	78.6 79.0	78.6 79.0	78.6	78.6 79.0	78.6 79.0	78.6 79.0	78.6 79.0	78.6 79.0	78.6	78.6 79.0		78.6 79.0	78.6 79.0
≥ 8000 ± 7000	81.7 83.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7	61.7 83.3	81.7 83.3	81.7	81.7	81.7	81.7	81.7	81.7
2 6000 3 500k1	85.6	85.6 89.1	85.6 89.2	85.6 89.2	85.6	85.6 89.2	89.2	85.6	85.6	85.6	85.6	85.6	85.6 49.2	85.6	85.6	85.6
2 4COO	93.9		94.4	90.3	94.4	90.3	94.4	90.3	99.9	94.4	90.3	90.3	90.3	90.3	90.3	94.4
≥ 3500	95.1	96.9	95.7 97.0	95.7 97.0	97.0	97.0	97.0	95.7 97.0	95.7 97.0	95.7 97.0	95.7 97.0	95.7	95.7		95.7 97.0	97.0
≥ 2500 ≥ 2606 ≥ 1800	96.7		97.2	97.0	97.3	97.3	97.3	97.3	97.3	97.0	97.3	97.0	97.3	97.0	97.3	97.3
≥ 1500 ≥ 1700	97.6	97.2 98.0 98.2	98.1	97.3 98.1 98.3	97.4 98.2 98.4	97.4 98.2 98.4	97.4 98.2 98.4	97.4 98.2 98.4	98.2	97.4 98.2 98.4	97.4 98.2 98.4	97.4 98.2 98.4	97.4 98.2 98.4	98.2	97.4	98.2
≥ 1000 ≥ 900	97.7	98.2	98.3	98.3	98.4	98.4	98.8	78.8	98.8	98.8	98.8	98.8	98.8 98.8	98.8	98.4 98.8 98.8	98.8
≥ 800 ≥ 700		98.3	98.4	98.4	98.7	98.7		99.0	}	99.0	99.0	99.0		99.0	99.0	29.0
≥ 600 ≥ 500		98.9	98.7	98.7	98.9	98.9 99.2	99.2	99.3 99.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400 ≥ 300	97.9	98.9	99.0	99.0	99.2	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
2 700 ± 100		98.9		99.0	99.2	99.2	99.6	00.0	00.0	00.0	00.0	00.0	00.0	00.01	رم.مو.	00.0
≥ 0	97.9	1	99.0	1	99.2	99.2		–						00.0		/

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 11.04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DESOLETE

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING	i						VIS	BILITY ST	ATUTE ASS	E S						
1931	≥10	≥ 6	≥ 5	24	≥3	≥2.	2.7	ر اج	≱1′₄	ا ج	2 4	≥ '•	2 :	≥5 16	2.	≥0
≥ 20000 ≥ 20000	54.9 68.8		54.9 68.8	54.9 68.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
2 18000 2 1600G	69.3	69.3	69.3	69.3 69.4	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	
≥ 14000 ≥ 17000	71.2 74.2	71.2	71.2 74.2	71.3 74.3	71.3	71.3 74.3	71.3	71.3 74.3	71.3	71.3	71.3 74.3	71.3	71.3	71.3	71.3	
\$ 5000 \$ 10000	83.3 81.1	80.3	80.3 81.1	80.4 81.2	80.4	80.4 81.2	80.4 81.2	80.4 81.2	80.4	80.4	80.4	80.4	80.4	80.4 81.2	80.4	
→ 8000 → 7000	85.3 86.1	85.3	85.3 86.1	85.4	85.4	85.4 86.2	85.4 86.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.
.: 6000 .: 5000	87.3 91.3	87.3	87.4	87.6 92.0	87.6 92.0	87.6	87.6 92.0	87.6 92.0	87.6	87.6	87.6 92.0	87.6 92.0		87.6	87.6	87.
4500 4000	91.8 95.0	92.2	92.4	92.6	92.6	92.6 96.1	92.6	92.6	92.6	92.6	92.6 96.1	92.6	92.6	92.6	92.6	92.
: 3500 ⊇ 3000	96.6 97.1	97.6 98.1	97.8 98.3	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.
≥ 2500 ≥ 2000	97.1 97.2	98.1 98.2	98.3	98.4	98.4	98.4 98.6	98.5	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.
≥ 1800 ≥ 1500	97.2 97.3	98.2 98.4	98.4	98.6 98.8	98.6	98.6 98.8	98.6	98.6	98.6 98.8	98.6	98.6 98.8	98.6	1	98.6		98.
≥ 1200 ≥ 1000	97.3 97.3	98.4	98.7	98.8	98.8	98.8 98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.
≥ 900 ≥ 800	97.6 97.6	98.8 98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1		99.
≥ 700 ≥ 600	97.7	98.9 99.1	99.1	99.2	99.2	99.2	99.2	99.2		99.2	99.2	99.2	99.2		99.2	99.
≥ 500 ≥ 400	97.8	99.2	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8		99.8	99.8	99.8	99.8	
≥ 300 ≥ 200	97.8 97.8	99.2 99.2	99.4	99.6	99.7						00.0					.00.
: 100 : 0	97.8 97.8	99.2	99.4	99.6	99.7		100.0	100.0	00.0	100.0	100.0	00.0	00.0	00.0		00.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 1504 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

726625 ELLSHORTH AFB SD 73-82

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

5100-5300 Whi

i i Chung	<u>.</u>						VIS	oibilite St	Altite WIL	.65						
FEET	≥10	≥6	≥ 5	≥ 4	23	≥2.	≥ 2	21 /	<u>≥</u> 14	21	≥ .	≥.•	2.	25 16	2.	20
NO CEILING ≥ 20000	63.1 71.4	63.1	63.1	63.1 71.4	63.1 71.4	63.1	63.1 71.4	63.1 71.4	63.1 71.4	63.1	63.1 71.4	63.1	63.1	63.1 71.4	63.1	63.1
≥ 18000 ≥ 16000	72.0 72.3	72.0 72.3	72.0	72.0 72.3	72.0 72.3	72.0 72.3	72.0 72.3	72.0 72.3	72.0 72.3	72.0	72.0 72.3	72.0	72.0 72.3	72.0 72.3	72.0 72.3	72.0 72.3
≥ 14000 ≥ 12000	73.4 77.1	73.4 77.1	73.4 77.1	73.4 77.1	73.4 77.1	73.4	73.4	73.4 77.1	73.4 77.1	73.4	73.4 77.1	73.4	73.4 77.1	73.4	73.4	73.4 77.1
≥ 10000 ≥ 9000	81.6 82.6	81.7 82.7	81.7	81.7 82.7	81.7 82.7	81.7	81.7 82.7	81.7	81.7	81.7	81.7 82.7	81.7 82.7	81.7	81.7	81.7	81.7
≥ 7000	85.6 85.8	85.7 85.9	85.7 85.9	85.7 85.9	85.7 85.9	85.7	85.7	85.7 85.9	85.7 85.9	85.7 85.9	85.7 85.9	85.7 85.9	45.7 45.7	85.7	85.7 85.9	85.7 85.9
2 6000 2 5000	87.3 90.3	87.4 90.4	87.4 90.4	87.4 90.4	87.4 90.4	87.4 90.4	87.4 90.4	87.4 90.4	87.4 90.4	87.4 90.4	90.4	90.4	87.4 90.4	87.4 90.4	87.4 90.4	87.4 90.4
2 4000	90.9	91.0	94.3	94.4	91.0 94.4	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	94.4
2 3500 2 3000	95.7	96.2	7413	96.6 98.2	96.6	96.6 98.2	96.6	96.6 98.2	96.6	96.6 98.2	96.6 98.2	96.6	96.6	96.6 98.2	96.6	96.6
≥ 2500 ≥ 2000 ≥ 1800	97.3	97.9	98.1	98.2 98.4	98.2	98.2 98.4	98.2	98.2	98.2	98.2	98.2 98.4	98.2	98.2	98.2	98.2	98.2
≥ 1500 ≥ 1500 ≥ 1200	97.4 97.7	98.0 98.4	98.6	98.4 98.9 98.9	98.4	98.4	98.4 99.0	98.4 99.0	98.4	98.4	98.4	99.0	98.4	98.4	98.4	
≥ 1000 ≥ 900	97.8 97.8	98.4 98.6 98.6	98.6 98.7 98.7	98.9 99.0 99.0	99.0 99.1	99.0 99.1 99.1	99.0 99.2 99.2	99.0	99.0 99.2 99.2	99.0	99.0	99.2	99.0 99.2	99.0 99.2	99.2	99.2
≥ 800 ≥ 700	97.8 97.8	98.6 98.6	98.7 98.7	99.0	99.1	99.1	99.2	99.2 99.2	99.2 99.2 99.3	99.2 99.2 99.3	99.2 99.2 99.3	99.2	99.2	99.2	99.2 99.2 99.3	99.2
≥ 600 ≥ 500	97.8	98.6	96.7	99.0 99.1	99.1 99.2	99.1 99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3 99.3	99.3	99.3
≥ 400	97.9	98.8	98.9	99.2	99.3	99.3	99.7	99.8	99.8	99.8	99.8	99.4	99.8	99.8	99.8	99.8 99.9
≥ 200 > 100	97.9	98.8	98.9	99.2	99.3	99.3	99.9	100.0	100.0	100-0	00.0	00.0	00.0	00.0	00.0	00.0
<u> </u>	97.9	98.8	98.9	99.2	99.3	99.3					00.0	-		00.0		1

TOTAL NUMBER OF OBSERVATIONS ________900

USAF ETAC STAN 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLE

CEILING VERSUS VISIBILITY

726625 ELLSHORTH AFB SD

73-82

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VI\$	IBILITY ST	ATUTE MIL	E5				**,		
FEET-	≥10	۵≤	≥5	≥ 4	≥ 3	≥2 ;	≥ 7	≥i∵	≥1:.	≥1	≥ 14	≥'₄	2.	≥ 5 16	3.	≥.0
2 20000	63.6 72.6	63.7			63.7	63.7	63.7	63.7	63.7 72.7	63.7		63.7		63.7	63.7	
2 18000 ≥ 16000	73.0 73.1	73.0 73.2	73.0 73.2	73.0 73.2	73.0 73.2	73.0 73.2	73.0 73.2	73.0 73.2	73.0 73.2	73.0 73.2	73.0 73.2	73.0	73.0 73.2	73.C 73.2	73.1 73.2	
≥ 14000 ≥ 12000	73.9 76.0	73.9 76.1	74.0	74 • 0 76 • 2	74.0 76.2	74.0 76.2	74.0 76.2	74.0 76.2	74.0 76.2	74.0 76.2	74.0 76.2	74.0	74 • 0 76 • 2	74.0 76.2	74.0 76.2	74.0 76.2
≥ 9000 ≥ 10000	80.2 80.9	80.4	80.4	80.4	80.4	80.4	80.4	80.4 81.0	80.4 81.0	80.4 81.0	80.4 81.0	80.4	80.4 81.0	80.4 81.0	80.4	80.4 81.0
± 8000 = 7000	83.9 85.0	84.0 85.1	84.0	84.0 85.1	84.0	84.0	84.0 85.1	84.0 85.1	84.0 85.1	84.0 85.1	84.0 85.1	84.0	84.0 85.1	84.0 85.1	84.0 85.1	84.0 85.1
2 6000 3 5000	86.3 89.0	86.5 89.2	86.5 89.3	86.5	86.5	86.5	86.5	86.5 89.3	86.5	86.5	86.5	86.5	86.5 89.3	86.5	86.5	86.5
.² 4500 ≥ 4000	90.0 92.5	90.2	93.0	90.3 93.0	90.3	90.3 93.1	90.3	90.3 93.1	90.3 93.1	90.3	90.3 93.1	90.3	90.3	90.3	90.3 93.1	90.3
≥ 3500 ≥ 3000	93.8 95.2	94.2 95.7	95.8	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	95.9	94.4
≥ 2500 ≥ 2000	95.4	95.8	95.9 96.4	96.0 96.5	96.0 96.6	96.0	96.0	96.0 96.6	96.0 96.6	96.0	96.0 96.0	96.0	96.0	96.0	96.1	96.1 96.6
≥ 1800 ≥ 1500	95.9	96.4	96.6	96.7	96.7	96.7	96.7	96.7	96.7 97.5	96.7	96.7 97.5	96.7	96.7 97.5	96.7	96.7 97.5	96.7
≥ 1200 ≥ 1000	96.6	97.2 97.6	97.8	97.5 98.0	97.6 98.0	97.6	97.6	97.6 98.1	97.6	98.1	97.6	97.6	97.6	97.6	97.6	97.6
≥ 900 ≥ 800	97.0	97.7 97.9	97.9	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 700 ≥ 600 ≥ 500	97.1 97.2 97.3	98.1 98.3	98.2 98.3 98.6	98.3 98.5	98.4 98.7 99.0	98.4 98.7 99.0	98.6 98.8 99.1	98.6 98.8 99.2	98.6 98.8 99.2	98.6	98.6 98.8	98.6 98.8	98.6 98.8	98.6 98.8 99.2	98.6 98.8 99.2	98.6 98.8 99.2
± 300 ± 400 ± 300	97.3	98.5	98.8	99.1	99.3	99.3	99.5	99.6	99.6	99.6	99.7	99.7	99.2	99.7	99.7	99.7
≥ 200	97.3	98.5	98.8	99.2	99.5	99.5	99.7	99.8	99.9	99.9	99.9	99.9	00.0	00.0	00.01	00.0
\$ 0	97.3	98.5	98.8	99.2	99.5	99.5	99.7	99.8	99.9	99.9	99.9	99.9			00.0	

USAF ETAC 13.04 0+14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD

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0000-0200

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEUNG							VIS	Builty St	ATUTE MIL	.15						
Her	≥10	≥ 6	≥ 5	≥ 4	≥3	≥27	2.2	≳ i.	21.	≥1	≥ 4	5,*	2 .	≥516	2.4	≥0
NO CEILING	70.2 74.8			70.4 75.1	70.4	70.5 75.2	70.5 75.2	70.5 75.2		70.5 75.2	70.5 75.2		70.5	70.5 75.2		70.5 75.2
≥ 18000 ≥ 16000	74.8 74.8	74.8	74.9 74.9	75.1 75.1	75.1 75.1	75.2 75.2	75.2 75.2	75.2 75.2	75.2 75.2	75.2 75.2	75.2 75.2	75.2 75.2	75.2 75.2	75.2 75.2	75.2 75.2	75.2 75.2
글 14000 ≥ 17000	74.9 77.5	74.9 77.6	75.1 77.7	75.2 77.8	75.2 77.8	75.3 78.0	75.3 78.0	75.3 78.0		75.3 78.0	75.3 78.D	75.3 78.0		75.3 78.0		
≥ 10000 ≥ 9000	83.9	84.1	84.2	84.3 84.5	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
2 8000 i 2 7000 i	85.4	85.6 87.1	85.7	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9 87.9	85.9	85.9	85.9	47.4	85.9
≥ 6000 - 5000	88.6	92.0		89.1 92.3	92.3	92.4	89.2 92.4	89.2 92.4	92.4	92.4	89.2 92.4	92.4	92.4	89.2 92.4	92.4	89.2 92.4
2 4500 2 4000 2 3500	93.4	94.0		92.9	92.9	93.0	94.5	93.0 94.5	94.5	93.0	94.5	93.0	94.5	93.0	94.5	94.5
≥ 3000 ≥ 2500	94.3 95.6 95.8	94.9	95.1 96.6	95.4	95.4 96.9 97.1	95.5 97.0	95.5 97.0	95.5 97.0		97.0		95.5	97.0		95.5 97.0	97.0
≥ 2000	96.2	96.7 97.1 97.1	96.8 97.2 97.2	97.1 97.5	97.5 97.5	97.6 97.6	97.2 97.6 97.6	97.2 97.6 97.6	97.6 97.6	97.6	97.6 97.6	97.2 97.6	97.6 97.6	97.2 97.6 97.6	97.6 97.6	97.2 97.6
2 1500	96.5	97.3	97.4	97.7	97.7	97.8	97.8	97.8 98.3	97.8	97.8	97.8	97.8	97.8	97.8 98.3	97.8	97.8 98.3
≥ 1000 ≥ 900	97.0	97.8	98.0	98.3	98.3	98.4	98.4	98.4 98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 800	97.0	97.8	98.0	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 500		98.2	98.3	98.5 98.6	98.5	98.6	- 1	98.7	98,7	,	98.6	98.6	98.7	98.7	98.6	98.6
≥ 400 ≥ 300 ≥ 200	97.3	98.5	98.6	98.7	98.7 99.0	98.8	99.4		99.4	99.5	99.1	99.5		99.5	99.5	. (
≥ 100 ≥ 0	97.4	98.6	98.7	,	99.5	99.4	99.8	ł	99.9		00.01		00.0			00.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD

73-82

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500

CEIUNG							visi	BILITY STA	ATUIE MILI	15						
FEET	≥10	≥ 6	≥ 5	≥ 4	≥ 3	≥2 7	≥ 2	≥'ı .	ا ، ا≾	≥1	ه' چ	≥ `•	≥ :	≥ 5 16	2.	≥0
NO CEIUNG ± 20000	68.7 73.8	68.8		68.9 74.0		69.1	69.2	69.2 74.3	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.
≥ 18000 ≥ 16000	73.8 73.8	73.9 73.9	74.0	· - i	74.1 74.1	74.2	74.3	74.3	74.3 74.3	74.4	74.4	74.4	74.4	74.4	74.4 74.4	74. 74.
≥ 14000 ≥ 12000	74.1 77.0	74.2	74.3	74.3	74.4	74.5	74.6	74.6	74.6	74.7 77.8	74.7 77.8	74.7	74.7	74.7	74.7	
≥ 10000 ≥ 9000	83.4 83.9	83.9	84.0	84.0 94.4	84.1	84.2	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.8	84.
≥ 8000 ≥ 7000	84.9	85.5	85.6	85.6	85.7	85.8	85.9	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.
± 6000 ± 5000	87.1 90.8	87.6	87.7	87.7 91.5	87.8	88.0	88.1	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.
≥ 4500 ∴ 4000	91.8	92.5	92.6	92.6	92.7	92.8	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	
≥ 3500 ≥ 3000	93.0 93.5	94.0	94.1	94.1	94.2	94.3	94.4	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.
≥ 2500 ≥ 2000	94.1	95.1 95.6	95.2	95.2 95.7	95.3	95.4	95.5	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	
≥ 1800 ≥ 1500	94.6	95.6	95.7	95.7 95.7	95.8 95.8	95.9	96.1	96.2	96.2	96.3	96.3 96.3	96.3	96.3	96.3	96.3	96. 96.
≥ 1200 ≥ 1000	94.7	95.7 96.0	95.9	96.1 96.5	96.2	96.3	96.6	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.
≥ 900 ≥ 800	94.9	96.D 96.D	96.2	96.5 96.5	96.7	96.8	97.0 97.0	97.1	97.1	97.3 97.3	97.3	97.3	97.3	97.3	97.3	97.
≥ 700 ≥ 600	95.1 95.1	96.3	96.6	96.8	97.0 97.0	97.1	97.3	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97. 97.
≥ 500 ≥ 400	95.2 95.2	96.5 96.5	96.8 96.8	97.0 97.0	97.2	97.3 97.5	97.5	97.6	97.6	97.8	97.8	97.8 98.1	97.8	77.8 98.1	97.8 98.1	97. 98.
≥ 300 ≥ 200	95.3 95.3	96.6 96.7	97.0 97.3	97.4 97.7	98.2 98.7	98.3	98.6	98 • 8 99 • 4	98.8	99.0 99.6	99.0	99.0	99.0	99.5	99.0	99. 99.
> 100 2 0	95.3	96.7 96.7	97.3	97.7	98.8	98.9	99.2	99.5	99.5	99.8	99.8	99.8	99.9	99.9		99.

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

726625 ELLSHORTH AFB SO 73-82

€,

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

១៩១៥-បុង០០

CEIUNG							VIS	18:L:TY 51	ATUITE MO	ıfs						
Htt	≥10	≥6	≥ 5	≥ 4	≥3	≥?.	27	≥`	. ۱ج	≥1	2 '4	≥``•	≥ .	≥5 16	2.	≥0
> 20000 ≥ 20000	68 • 2 74 • 0		68.6	68.6 74.4	68 • 7 74 • 5	68.7 74.5	68.7 74.5	68.7 74.5	68.7 74.5	68.7 74.5	68.7 74.5	68.7 74.5	68.7 74.6	68.7 79.6	68.7 74.6	68.7 74.6
≥ 18000 ≥ 16000	74.2	74.5 74.5	74.6 74.6	74.6	74.7 74.7	74.7 74.7	74.7 74.7	74.7 74.7	74.7 74.7	74.7	74.7 74.7	74.7	74.8 74.8	74.8	74.8	74.8
≥ 14000 ≥ 12000	74.4 76.9	74.7	74.8	74.8	74.9 77.4	74.9	74.9 77.4	74.9	74.9	74.9	74.9 77.4	74.9	75.1 77.5	75.1 77.5	75.1 77.5	75.1 77.5
≥ 10000 ≥ 9000	82.5 82.8	82.8 83.1	83.0 83.3	93.0 83.3	83.1 83.4	83.1	83.1 83.4	83.1 83.4	83.1	83.1	83.1 83.4	83.1	83.2 83.5	83.2	83.2 83.5	83.2 83.5
± 8000 ± 7000	84.5 85.5	84.8 85.8	85.1 86.0	85.1 86.0	85.2 86.1	85.2 86.1	85.2 86.1	85.2 86.1	85.2 86.1	85.2 86.1	85.2 86.1	85.2 86.1	85.3 86.2	85.3	85.3	85.3 86.2
≥ 6000 ≥ 5000	86.7 88.8	87.0 89.2	87.5	87.2 89.5	87.3 89.6	87.3 89.6	87.3 89.6	87.3 89.6	87.3	87.3	87.3 89.6	87.3 89.6	87.4 89.7	87.4	87.4	87.4 89.7
÷ 4500 ± 4000	89.4 90.8	91.2	90.0	90.0 91.4	90.1 91.5	90.1 91.5	90.1 91.5	90.1 91.5	90.1	90.1	90.1 91.5	90.1	90.2	90.2 91.6	90.2 91.6	90.2 91.6
≥ 3500 ≥ 3000	91.1 92.0	91.6	91.8 93.0	91.8 93.0	91.9 93.1	91.9 93.1	91.9	91.9 93.1	91.9	91.9 93.1	91.9	93.1	92.0 93.2	93.2	92.0 93.2	92.0 93.2
≥ 2500 ≥ 2000	92.4	93.1	93.3 93.5	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.5 93.8	93.5 93.8	93.5 91.8	93.5 93.8
≥ 1800 ≥ 1500	92.6 92.7	93.5 93.8	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	94.0	94.0	94.0	94.3
≥ 1700 ≥ 1000	93.8	94.4	94.8	94.9	95.1 96.0	95.1 96.0	95.1 96.0	95.1 96.0	95.1 96.0	95.1 96.0	95.1 96.0	95.1 96.0	95.2 96.1	95.2 96.1	95.2	95.2 96.1
≥ 900 ≥ 800 ≥ 700	93.9	95.4 95.8	95.8	96.5	96 • 2 96 • 7	96.2	96.2	96.2	96.2 96.7	96.7	96.2	96.2	96.3 96.8	96.3	96.3	96.8
≥ 700 ≥ 60 0 ≥ 500	94.1 94.2 94.2	95.9 96.0 96.1	96.5	96.6 96.7 97.2	96.8 96.9 97.4	96.8 96.9 97.4	96.8 96.9	96.8 96.9	96.8 96.9	96.8 96.9 97.4	96.8	96.8	96.9 97.0	96.9 97.0		
≥ 400 ≥ 300	94.2	96.3		97.6	97.8	98.1	98.2	97.4 98.2 99.1	97.4 98.2 99.1	98.2 99.1	97.4 98.2 99.1	94.2	97.5 98.3 99.2	97.5 98.3	97.5 98.3 99.2	97.5 98.3 99.2
± 200 ≥ 100	94.2	96.5	97.4	-		98.9	99.2	99.7	99.7	99.7	99.8	99.8	99.9	99.9		99.9
5 0	94.2	96.5	- 1	98.4	98.7	98.9	99.2	99.7	99.7	99.7	99.8	99.8	99.9	99.9	100.0	

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 13.64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

726625

ELL SHORTH AFB SO 73-82

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

បទបីបី-1700

CULING							VIS	IBIÇITY ST.	ATUTE MIL	ES						
FEET	≥10	≥ 6	≥ 5	≥ 4	≥3	≥2,	≥ ?	يائ≲	21%	≥1	≥ 4	₹.	21:	≥5 18	2 .	≥0
NO CEIUNG ≥ 20000	73.3 79.9	73.8 80.3	73.8 80.3	73.8 80.3	73.8 80.3	73.8	73.8 80.3	73.8 80.3	73.8	73.8	73.8	73.8	73.8 80.3	73.8 80.3	73.8 80.3	73.8 80.3
2 18000 ≥ 16000	80.0 80.0	80.4 80.4	80.4	80.4 80.4	80.4 80.4	80.4 80.4	80.4 80.4	80.4 80.4	80.4	80.4	80.4 80.4	80.4	80.4	80.4 80.4	80.4	80.4 80.4
≥ 14000 ≥ 12000	8U.2 82.7	80.6 83.1	80.6	80.6 83.1	80.6 83.1	80.6	80.6 83.1	80.6 83.1	83.6	80.6 83.1	80.6	83.1	80.6	80.6 83.1	80.6 83.1	80.6 83.1
5 8000 5 10000	88.0 88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
± 8000 ± 7000 → 6000	89.4	90.0	89.8 90.0		90.0	89.8 90.0	90.0	90.0	89.8 90.0		89.8 90.0	90.0	90.0	90.0	89.8 90.0	
≥ 6000 ≥ 5000 ≥ 4500	90.3 91.6 92.3	90.8 92.0 92.7	90.8 92.0 92.7	90.8 92.0 92.7	90.8 92.0 92.7	90.8	92.0	90.8	90.8	92.0	90.8	90.8	90.8	90.8	90.8	90.8
2 4000 2 3500	93.1	93.5	93.5	93.5	93.5	92.7 93.5 93.7	92.7 93.5 93.7	92.7 93.5 93.7	92.7 93.5 93.7	92.7 93.5 93.7	92.7 93.5 93.7	92.7 93.5 93.7	92.7 93.5 93.7	92.7 93.5 93.7	92.7 93.5 93.7	92.7 93.5 93.7
∴ 3000 ≥ 2500	94.3	94.8	94.8	94.8	94.8	94.8	94.8	95.6	94.B	94.8	95.6	95.6	94.8	99.8	94.8	94.8
≥ 2000	95.6 95.8	96.5	96.5	96.5 96.7	96.5	96.5 96.7	96.5 96.7	96.5 96.7	96.5	96.5 96.7	96.7	96.5	96.5	96.5 96.7	96.7	96.5
2 1500 ≥ 1200 ≥ 1000	96.1	97.7	97.0	97.7	97.0	97.7	97.7	97.7	97.7	97.7	97.7	97.0 97.7	97.0 97.7	97.0 97.7	97.7	97.7
2 900 2 800	97.0 97.0	98.2 98.2 98.2	98.2 98.2 98.2	98.3 98.3	98.3	98.3 98.3	98.3 98.3 98.3	98.3 98.3	98.3 98.3 98.3	98.3 98.3	98.3	78.3	98.3	98.3	98.3	98.3
2 700 ≥ 600	97.2	98.4	98.4	98.5	98.5	98.5	98.5	98.5 99.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5 98.5	98.5 99.4
≥ 500 ≥ 400	97.2	99.0	99.1	99.2	99.4	99.4	-	99.5	99.5		99.5	99.5	99.5	- F - B - 1 +	99.5	99.5
⊇ 300 ≥ 200	97.3		99.5 99.5		99.8	99.8	99.9	100.0	00.0	100.0	00.0	00.0	00.0		00.0	00.0
- 100 j	97.3	99.4	99.5	99.7	99.8	99.8		100.0	- 1	1	. (00.0	- 1		

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 2.64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM APE OBSOLETE

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CERING							VIS	IBILITY ST	ATUTE MIL	ES						
1561	≥10	≥6	≥ 5	≥ 4	≥3	227	≥ 7	≥'ì;	214	ا≾	≥ 14	₹,•	≥ ∵	≥5 16	2.	≥0
NO CEILING 3 YOOO	68.1 77.3	68.1 77.5	68.1	68.1 77.5	68 • 1 77 • 5	68 • 1 77 • 5	68.1 77.5	68.1 77.5	68 • 1 77 • 5	68.1 77.5	68 • 1 77 • 5	68.1	68.1 77.5	68.1 77.5	68.1 77.5	68.
≥ 18000 ≥ 16000	77.3 77.3	77.5	77.5 77.5	77.5 77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.
≥ 14000 ≥ 12000	78.1	78.3 81.1	76.3	78.3 81.1	78.3 81.1	78.3 81.1	78.3 81.1	78.3 81.1	78.3 81.1	78.3 81.1	78.3 81.1	78.3 81.1	78.3 81.1	78.3 81.1	78.3 81.1	78.
≥ 10000 ≥ 9000	85.2 85.9	85.4	85.4 86.1	85.4 86.1	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.
≥ 8000 ≥ 7000	87.6 88.4	87.8	88.7	88.0 88.7	88.7	88.7	88.7	88.0	88.0	88.0	88.0	88.0	88.0	88.7	88.0	88.
≥ 6000 ≥ 5000	89.4	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.
≥ 4500 ≥ 4000	92.3	92.7	92.9	93.0	93.0	93.0	93.D	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.
≥ 3500 ≥ 3000	94.3	95.1 96.1	95.4	95.5	95.5 96.6	95.5 96.6	95.5 96.6	95.5 94.6	95.5	95.5 96.6	95.5	95.5	95.5	95.5	95.5 96.6	95.
≥ 2500 ≥ 2000	95.8	96.9	1	97.3 97.6	97.3 97.6	97.3 97.6	97.3	97.3 97.6	97.3	97.3 97.6	97.3	97.3	97.3 97.6	97.3		
≥ 1800 ≥ 1500	96.1	97.2 97.6	1 1 1 7 1	97.6 98.1	97.6 98.1	97.6 98.1	97.6	97.6	97.6	97.6 98.1	97.6 98.1	97.6	97.6 98.1	97.6 98.1	97.6	97. 98.
≥ 1200 ≥ 1000	97.2			98.7 99.1	98.7 99.1	98.7 99.1	98.7	98.7	98.7 99.1	98.7 99.1	98.7 99.1	98.7	98.7 99.1	98.7 99.1	98.7	98.
≥ 900 ≥ 800	97.5 97.6		99.1	99.2 99.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.
≥ 700 ≥ 600	97.6	98.9		99.6 99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6 99.7	99.6	99.
≥ 500 ≥ 400	97.6	1 7 7 1	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
2 300 2 200	97.6 97.6		1 1 1 7 1	99.8	99.8	99.9	99.9	99.9	99.9	99.9					00.0	
2 00 2 0	97.6	98.9 98.9		99.8	- 1	99.9	99.9	99.9	1		00.0				00.0	

TOTAL NUMBER OF OBSERVATIONS_

USAF ETAC 100 04 0-14-5 (QL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD

73-82

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEIUNG				Agents of the State of the Stat			VIS	IBILITY ST	ATUTE MIL	ES.]
FEE	≥10	≥6	≥ 5	≥ 4	≥3	≥2:	≥ ?	≱ĥ⊹j	≥1.	2≥1	≥ 14	5,∙	≥ ,	≥5 16	≥ .	≥o
NO CEIUNG ≥ 20000	58.3 70.9	58.3 71.3	58.3 71.3	58.3 71.3	58.3 71.3	58.3 71.3	50.3 71.3	58.3 71.3	58.3 71.3	58.3 71.3	58.3 71.3	58.3 71.3	58.3 71.3	58.3 71.3	58.3 71.3	58.3
2 18000 2 16000	70.9 70.9		71.3	71.3 71.3	71.3 71.3	71.3 71.3	71.3 71.3	71.3 71.3	71.3 71.3	71.3 71.3	71.3 71.3	71.3 71.3	71.3	71.3 71.3	71.3 71.3	71.3
≥ 14000	71.8 76.4	72.1 76.7	72.1 76.7	72.1 76.7	72.1 76.7	72.1 76.7	72.1 76.7	72.1 76.7	72.1 76.7	72.1 76.7	72.1 76.7	72.1 76.7	72 • 1 76 • 7	72.1 76.7	72.1 76.7	
! ≥ 10000 - ≥ 9000	83.5 84.6	84.9	83.9	83.9	83.9	84.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	84.9
2 8000 2 7000	86.4	88.1	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	88.1
5000	89.5 92.1 92.7	93.0	90.0 93.1 93.6	90.0 93.3 93.9		90.0	93.4	90.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
2 4000 2 3500	94.7		95.7	95.9	95.9	93.9 95.9 96.6	94.0 96.0 96.7	96.0	94.0		94.0 96.1 96.8	94.0	94.0 96.1 96.8	94.0 96.1 96.8	94.0 96.1 96.8	94.0 96.1 96.8
± 3000 ≥ 2500	96.3	97.2	97.3	97.5 98.0		97.5			97.6		1	97.7 98.2		97.7	97.7	97.7
≥ 7000 1: 1800	96.8 96.8		97.7	98.0	98.0 98.0	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2 98.2	98.2
≥ 1500	97.1 97.3	98.0	98.5	98.3 98.8	98.3	98.8	98.9	98.4	98.4	98.5	98.5	99.0	98.5	98.5	98.5	98.5
≥ 1000 ≥ 900 ≥ 800	97.5		98.7	99.0	99.D	99.0	99.1	99.1		1	99.2	99.2	99.2	99.2	99.2	99.2
≥ 80C ≥ 700 ≥ 600	97.6		98.9	99.2	99.2	99.2		99.4	11111	[99.4	99.4	99.4	99.5		99.4
500	97.7 97.7 97.7	98.8 98.8 98.8	99.0 99.0	99.4 99.4 99.5	99.5	99.5 99.6 99.7	99.6 99.7	99.6		99.8 99.9	99.8	99.8	99.8	99.9	99.9	99.9
≥ 300 ≥ 200	97.7	98.8	99.0	99.5	99.7		99.8	99.8	99.8		00.0	00.0	00.0	100.0	00.0	00.0
3 100 2 0	97.7	98.8	99.0	99.5		99.7	99.8	99.8	99.8	100.0	60.0	00.0	0.00	00.0	00.0	00.0

TOTAL NUMBER OF DESERVATIONS

CEILING VERSUS VISIBILITY

726625

ELLSWORTH AFB SD

73-82

1900-5000

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CHUNG							VIS	BILITY ST	ATUTE MA	f \$						
+[[1	≥10	≥6	≥ 5	.≥.4	23	. ≥2.	≥ï	≥ો	ء ۱ ≤	≥١	≥ 4	≥`•	Έγ	≥5 16	2.	≥0.
20000	61.5 73.5			61.6		61.6		61.6	61.6	61.6				61.6	61.6 73.9	
≥ 18000 ≥ 16000	73.7					74.0			74.0				74.0		74.0 74.0	
≥ 14000 ≥ 12000	74.6	74.9	74.9		74.9	74.9	74.9		74.9		74.9	74.9	74.9		74.9	74.5
≥ 10000 3 ¥000	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 8000 ≥ 7000	84.4		87.0	87.0		87.0	87.0	87.0		87.0	87.0	87.0	87.0		87.0	87.0
≥ 6000 2 5000	91.2	91.9		91.9	91.9	91.9	91.9	91.9		91.9	91.9	¥1.9	91.9	91.9	91.9	91.5
≥ 4500 ≥ 4000	93.5	94.3	94.3	1	94.3		94.3		94.3	94.3	94.3	94.3	94.3	94.3	93.8	94.3
≥ 3500	96.2	95.8 97.1	97.1	97.1	97.2	95.9 97.2		95.9 97.2	95.9 97.2		95.9			95.9 97.2	95.9 97.2	
≥ 2500 ≥ 2500	97.0	97.8	98.0			98.1	98.1	98.1	98.0 98.1	98.1	98.1	98.1	98.1	98.1	98.1	
≥ 2000	97.5 97.6			98.5		98.6	98.7	98.7	98.7	98.7	98.6	98.7	98.6	98.6 99.7	98.6	
2 1500 ≥ 1200	98 • 1 98 • 1	98.9	99.0	99.1		99.1		99.2	99.2	99.2	99.2	99.1	99.2	99.1	29.1	
≥ :000 ≥ \$00	98.2 98.2	99.1		99.2		99.4			99.4	99.4	99.4	99.4			99.4	
≥ aoo > 700	98.3	99.2		99.4		99.5	97.5	99.5	99.5	92.5	99.5	99.5	29.5		99.5	994
.t 600°	98.3	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5		99.5	99.5	99.5	
± 490	98.3			99.8		99.9	the same of the last of the la	99.9	99.9	77.7		22.9	99.9	22.2	99.9	99.1
2 30.J 2 700	98.3	99,6		99.9	100.0	100.0	100.0	100-0	00.0	0.00	زمرووا	00-0	00.0	00.0	100-01	00.0
: 100 : e	98.3	- 7				100.0			00.0		: - : -					

USAF ETAC - 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD 73-82

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

CHUNG							Vi5	iBruth ST	ATUIE MILE	· S						
FEET .	≥10	≥6	≥ 5	≥4	±3	22.	≥ 7	≥1.	21.	ا≤	≥ %	≥`.	≱ .	≥ 5 16	2.	≥0
NO € EUNG 2 20000	66.2 76.7		66.2 76.7	66 • 2 76 • 7				66.2 7 6. 7			66.2 76.7				66.2 76.7	
≥ 18000 ≥ 16000	76.7 76.7	76.7 76.7	76.7 76.7	76.7 76.7	76.7	76.7 76.7				:	76.7 76.7					
≥ 14000 ≥ 12000	77.0 78.9	77.0 79.0				77.0		77.0 79.0	77.0 79.0	77.0 79.0	- 1	77.0 79.0	1	1	77.0 79.0	77.0
	84.7 84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
2 8000 : 2 7000	86.2	86.5	88.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5 88.3	86.5	86.5	86.5	;	86.5 88.3
≥ 6000 E 5000	93.5	94.3			90.5	90.5	94.3		90.5		90.5	90.5		;	90.5	
± 4500 ± 4600	94.1	94.8	96.2	94.8	94.8	94.8	94.8	96.2		94.8		94.8			94.8	96.2
3 3500 3 3000	t a consideration	97.8	97.8	97.8	97.5	97.5	97.5	97.5	97.6		97.8	97.8	97.8	97.5	97.8.	27.8
≥ 2500 ≥ 2000	97.1	98.3		98.3	98.3	98.1		98.2				98.2	98.2	98.2	98.4	98.2
2 1500 2 1700	97.4	98.4	98.9	98.4	98.4	98.4	90.9			99.0	99.0	99.0		98.5 99.0	98.5	
≥ 1700 : * 1000 i	97.7	99.0 99.1	99.2	99.1 99.2	99.2	99.2		99.2	99.4	99.4		99.4	99.2	22.4	99.2	99.4
2 80G		99.1	99.2	99.2	99.2	99.2	99.2	99.4	77.4	77.4	99.4	99.4	99.4	99.4	22.4	99.4
500 ±	98.0	99.5	99.6			99.6	1		99.7	1	99.5	99.5	99.5 99.7	99.5	99.7	
3 400	98.1	99.6		99.7	99.7	99.7	99.7	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	22.2
	98.1	99.6		99.7	99.8	99.8	99.8	99.9	99,9	00.0	00.0	00.0	00.0	00.0	00.0	00.0
	-;		99.7		99.8	99.8	99.8	99.9			00.0					

TOTAL NUMBER OF OBSERVATIONS ____

USAF ETAC 0-14-5 (OL A) MENOUS EDITIONS OF THIS CORN ARE OSSOLETE

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD STATISH NAME

73-32

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

THUNG							vi\$	BIGITY ST	ATOTE AND	£5					***************************************	
	210	26	≥ 5	≥ 4	2, 3	22.	27	ا خے	≥١,	.≱1	₫ '4	≥ ',	2 :	≥318	≥ ,	÷0
NO CEILING ≥ 20000	66.8 75.1	66.9 75.3	ا . سست		67.0 75.4	67.1 75.4	2.57.71	67.1 75.5				67.1		67.1 75.5	67.1 75.5	
16000 116000	75 • 2 75 • 2	75.4 75.4	75.4 75.4	75.4 75.4		75.5 75.5	75.5 75.5	75.5 75.5	75.5 75.5		75.5 75.5	. 1	75.5 75.5		75.5 75.5	;
12009	75.6 78.5	78.8	78.8	75.9 76.9	1	78.9		78.9	78.9	78.9	76.0 78.9	78.9	76.0 78.9		76.0 78.9	
10000 ≥ 9000	84.4		85.2	1	84.8	85.3		85.3	85.3	85.3	84.9	84.9	85.3			
≥ 8000 ≥ 7000 ≥ 6000	86.4	88.0	88.1	88.1	88.1	88.1	88.1	86.9	88.1	88.2	88.2	86.9	86.9	88.2		
5000	91.7		92.4	92.4			92.5		92.5	92.5	97.5	92.5		92.5	89.7 92.5 93.1	92.5
2 3500	93.6	94.3	,	94.5		94.6	94.6	94.6	94.6	94.6	1	99.6	94.6	94.6	94.6	94.6
≥ 3000 ≥ 2500	95.1	96.0	96.5	96.1	1	96.2	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.7	96.3	96.3
≥ 2000 ≥ 1800		96.7 96.8		96.9		97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1		97.1
≥ 1500 ≥ 1200 ≥ 1000	96.1 96.5	97.5	97.7		97.9	97.9	98.0		98.0	98.0	98.0	98.0	98.0	98.0	(98.0
± 900 ≥ 800	96.7	97.9	98.1	98.2	98.3	98.3	98.4	98.4	98.4		98.4	98.4	98.4	98.4	98.4	98.4
≥ 700 ≥ 600	96.8 96.9 96.9		(98.5	98.6	98.5 98.6 98.8	98 - 6	98.6	98.5 98.7 98.9	98.7	98.7	98.7	98.7	98.5 98.7 98.9	98.7
≥ 500 ≥ 400	96.9		98.6	98.8	98.9	99.0 D	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
2 300 2 200	97.0	98.5	98.8	99.1	99.3	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
2 100 2 0	97.0	98.5	98.9	99.2	99.5	99.6	99.7	99.8	99.8	99.9	99.9	99.91	.00.01	.00.01	00.01	00.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC $\frac{1-p_{\rm U}}{1-p_{\rm A}}$ 0+14+5 (OL A) mevious epitions of this form are obsolete

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD

.... Aug....

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200

(FILING							VIS	IBILITY ST	ATUTE MIL	E5						
fEET	≥10	≥6	≥ 5	≥4	≥3 (200	≥ 7	≥1.	≥1,	≥1	≥ '4	≥ 1.	≥ .	25 16	≥ ,	۵۵
2 20000			72.2 78.0					72.3 78.1	72.3 78.1	72.3 78.1	72.3 78.1	72.3	72.3		72.3 78.1	72.3 78.1
2.18000 2.15000		78.1	78.1		78.3			78.3 78.5	,	78.3		78.3 78.5				78.3 78.5
≥ 14000 ± 12000	77.8 79.3	78.5	78.5 80.1			78.6	78.6 80.2	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6 80.2	78.5
≥ 10000 ≥ 9000	84.9 85.5	85.7		85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
± 8000 → 7000	88.7	89.6		89.6	1	89.7	89.7	90.6	89.7			- 1	89.7	89.7	89.7	89.7 90.6
. 6009 . 5000	90.4		91.5	91.5		91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6		91.5	91.6
£ 4500 £ 4900	93.9		95.3	95.3 96.3	95.4	95.4	95.4	95.4	95.4		95.4	95.4	95.4	95.4	95.4	95.4
2 3500 2 3000	95.5 95.8	96.8	96.9	96.9	97.0		97.0	97.0	97.0	97.0	97.0		97.0	97.0		97.0
≥ 2500 ≥ 2000	96.0 96.4	97.3	97.4	97.4			97.5		97.5		,	97.5	97.5	97.5		
≥ 1800 2 1500	96.4	97.8	98.0	98.0		98.1	98.1	98.1	98.1 98.3	98.1	98.1 98.3	98.1	98.1	98.1	98.1 98.3	98.1
2 170k. 2 1000	96.8	98.2	98.3 98.5	98.3 98.5	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4 98.6	98.4	98.4
.: 900 .: 80x.	97.0	98.4		98.5 98.8	98.6	98.6		48.6		98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 700 ≥ 600	97.3	98.7	1	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9		98.9
.: 5001 : 400	97.5	98.9	99.1	99.1	99.2	99.2	99.2	99.2 99.5		99.2	99.2	99.2	99.2	99.2	99.2	99.2
5 30% 5 30%		99.1		99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5		99.5
. loc : 1	97.7		99.4		99.5	99.5	- :	- 1	99.8		99.8	99.8		99.8	99.8	

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 0+14+5 (OL. A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD

73-82

AHG

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500

CEUNG							VIS	BILITY ST	ATUIL MIL	ES						
1451	≥10	≥ 6	≥ 5	2.4	3 ع	27.	≟ ?	≥ો.	21.4	≱,	2.	≥`,	2 :	≥5 16	2.	20
2 20000		73.7 78.6			73.8 78.7				73.8 78.7				73.8 78.7		73.8	
.2 18000 ≥ 16000	78.0	78.6 78.7	78.6 78.7	78.7 78.8	78.7 78.8	78.7 78.8	78.7 78.8	78.7 78.8	78.7 78.8		78.7 78.8	78.7 78.8	78.7 78.4	78.7 78.8	78.7 78.8	78.7 78.8
≥ 14000 ≥ 12000	78.6 81.2	79.2 81.8	79.2 81.8	79.4 81.9	79.4 81.9	79.4 81.9	79.4 81.9	79.4	79.4 81.9	79.4 81.9	79.4 81.9	79.4	79.4	79.4 81.9	79.4	79.4
≥ 10000 ≥ 9000	86.1 66.9	86.8	86.8	86.9	86.9 87.6	86.9	86.9	86.9 87.6	, (86.9	86.9 87.6	86.9	86.9	86.9 87.6	86.9 87.6	86.9
≥ 8000 ≥ 7000	89.2 89.5	89.9 90.1	89.9 90.1	90.0 90.2	90.0 90.2	90.0 90.2	90.0	90 • 0 90 • 2	90.0 90.2		90.0 90.2	90.0	90.0 90.2	90.0 90.2	90.0 90.2	
2 5000 2 5000	90.2 92.5	91.0	1 = 1	91 • 1 93 • 7	91.1 93.7	91.1 93.7	91.1	91 • 1 93 • 7	91.1 93.7	91 • 1 93 • 7	91.1 93.7	91.1	91.1 93.7	91.1 93.7	91.1	91.1
2 4500 2 4000	92.9 93.5	94.0	94.D	94.1	94.1	94.1	94.1 94.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 3500 ≥ 3000	93.9	94.9		95.1 95.5	95.1 95.5	95.1 95.5	95.1	95.1 95.5			95.1	95.1	95.1 95.5	95.1 95.5	95.1 95.5	1
≥ 2500 ≥ 2000	94.6	95.7 96.3	95.7 96.3	95 • 8 96 • 5	95.8 96.5	95.8 96.5	95.8	95.8 96.5	95.8	95 • 8 96 • 5	95.8 96.5	95.8	95.8 96.5	95.8 96.5	95.8	;
≥ 1800 ≥ 7500	95.5 95.6	96.6	96.6 96.7	96.7 96.8	96.7	96.7 96.8	96.7	96.7 96.8	96.7	1	96.7	96.7	96.7	96.7 96.8	96.7	
≥ 1200 ≥ 1000	95.7 95.9	96.8 97.0	96.8 97.0	96.9	96.9	96.9	96.9	96.9	4	96.9 97.1	96.9	96.9 97.1	96.9		96.9 97.1	96.9 97.1
± 900 ≥ 800	95.9 96.0	97.0 97.1	97.1 97.2	97 • 2 97 • 3	97.2 97.3	97.2	97.2 97.3	97.2 97.3		97.2 97.3	97.2	97.2 97.3	97.2	(97.2 97.3	- 1
2 700 2 600	96.1	97.4	97.5 97.6	97.6 97.8	97.7 98.0	97.7 98.0	97.7 98.0		97.7 98.0	97.7 98.0	97.7	97.7 98.0	97.7 98.0	97.7 98.0	97.7	97.8
.≥ 500 ≥ 400	96.3 96.6	97.6	98.1 98.5	98.3 98.8	98.4 98.9	98.4 98.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4 98.9	98.5 99.0	
: 100 : 100	96.6 96.6	98.1	98.5 98.5	98.8	98.9 99.0	98.9 99.0	98.9	98.9		98.9	98.9	98.9 99.2	98.9	98.9	99.0	
2 100 2 0	96.6	98.1	98.5 98.5	98.9 98.9	99.0	99.0	99.1	99.2	99.2 99.2	99.2	99.2	99.2	99.2	99.4	99.7	

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 100 04 0+14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD 73-82

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

negp-page

CEUNG							VIS	BILITY ST	ATUTE MIL	ŧs						
1994	≥10	≥ 6	≥ 5	≥ 4	₹3	≥2.	≥ 7	، اُج	21.7	≥1	ž,*	5.°	≱.	≥5 16	≥ • [≥0
NO CEILING ± 20000	68.4 74.8		68.6 75.3	68.7 75.4	68.7 75.4	68.7		68.7 75.4	68.7	68.7	68.7 75.4	68.7	68.7	68.7	68.7	58.7
≥ 18000 ≥ 18000	75.1 75.1	75.5 75.5	75.5 75.5		75.6 75.6	75.6 75.6	75.6 75.6	75.6 75.6	75.6 75.6	75.6 75.6	75.6 75.6	75.6 75.6	75.6	75.6 75.6	75.6 75.6	75.6
≥ 14000 ± 12000	75.9 79.4	76.3 79.8	76.3 79.8	76.5 79.9	76.5 79.9	76.5 79.9	76.5 79.9	76 - 5 79 - 9	76.5 79.9	76.5 79.9	76.5 79.9	76.5	76.5 79.9	76.5 79.9	76.5 79.9	76.5
≥ 4000 ≥ 4000	83.5 84.3	84.0 84.7	84.0	84.1 84.3	84.1	84.1	84.1	84.8	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
2 8900 3 7000	87.4 89.2	87.8 89.8	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	48.0	88.0
≥ 6000 ≥ 5000	90.0 91.3	90.5 92.2	90.5 92.2	90.6	90.6 92.4	90.6	90.6 92.4	90.6	90.6	90.6	90.6 92.4	90.6	90.6	90.6	90.6	90.6
2 4500 3 4000	91.8 92.6	92.7 93.4	92.7 93.4	92.9 93.7	92.9 93.7	92.9 93.7	92.9	92.9 93.7	92.9	92.9	92.9 93.7	92.9	92.9	92.9	92.9	92.9
? 3500 2 3000	92.7 93.7	93.8	93.9	94.1 95.1	94.1 95.1	94.1 95.1	94.1	94.1 95.1	94 · 1 95 · 1	94.1 95.1	94.1 95.1	94.1 95.1	94.1 95.1	94.1 95.1	94.1	94.1
≥ 2500 ≥ 2000	94.1	95.4 95.5				95.9		95.9 96.0	95.9	95.9 96.0	95.9	95.9 96.0		95.9 96.0		
≥ 1800 ± 1500	94.2 94.5	95.8	96.0	96.3		96.0 96.3	96.0	96.3	96.3	96.0 96.3	96.3	96.0	96.0 96.3	96.D 96.3	96.0	96.0 <u>96.3</u>
2 1200 2 1000	95.1 95.3	96.5 96.7	96.7 96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3		97.4	97.4	97.4	97.0
2 900 2 800	95.3	96.7	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.5	97.5	97.6	97.7 <u>97.1</u>
≥ 700 ≥ 800	95.4	96.8	97.2 97.3	97.8 98.1	98.0	98.0		98.3	98.3	98.0	98.3	98.3	98.1	98.1	98.2	98.3 <u>98.6</u>
≥ 500 ≥ 400	95.6	97.0 97.2 97.3	97.5 97.8	98.3	98.5	98.5	98.5	98.8	98.5	98.5	98.6	98.6	98.7	98.7	99.1	98.9
≥ 300 2 200 > 100	95.7 95.7 95.7	97.3	98.0 98.0	78.7 98.7 98.7	98.9	99.1 99.1	99.1	99.1	99.2	99.5	99.6	99.6	99.7	99.8	99.9	00.0
: 100 : 0	95.7			98.7		- !	;	99.1		99.5		1	99.7	99.8	99.91 99.91	

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 1474 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD 73-82
PERCENTAGE FREQUENCY OF OCCURRENCE

2900-1100

CHUNG							VIS	BILITY ST	ATUTE MIL	ES				gangi kecar in Pilian a		
1861	≥10	≥ 6	≥ 5	≥ 4	ن ج	22.	≥?	21.	21.	۱ چ	≥ '•	≥ ,	2 :	≥5 16	≥.	≥0
NO CEILING ≥ 20000		69.5						69.5			69.5			69.5		69.5
≥ 18000 ≥ 18000	76.8 76.8	76.9 76.9	76.9 76.9	76.9 76.9	76.9 76.9	76.9 76.9	76.9 76.9	76.9 76.9		76.9 76.9		76.9			76.9 76.9	
≥ 14000 ≥ 12000	78.3 80.5	78.4		78.4 80.6	78.4	78.4 80.6	78.4 80.6	76.4 80.6	78.4 80.6	78.4 80.6	78.4 80.6	78.4	78.4	78.4	78.4	
≥ 10000 ≥ 9000	84.8	84.9	84.9	84.9 85.7	84.9	84.9 85.7		84.9 85.7	i	84.9 85.7	84.9 85.7	84.9	84.9 85.7	84.9	84.9	84.9
≥ 8000 ≥ 7000		88.3 89.9			88.3	88.3	88.3	88.3	89.9	89.9	89.9	88.3	88.3	88.3 A9.9	88.3	88.3
≥ 6000 ≥ 5000		92.7	91.5	92.7	92.7	91.5	92.7	92.7		92.7	92.7	92.7	91.5 92.7	91.5 92.7	92.7	91.5
÷ 4500 ≟ 4000 ≥ 3500	93.5	91.8		93.4	92.9	92.9	93.4	93.8		93.4	93.8	92.9	93.8	92.9	92.9 93.8	93.8
± 3000 ≥ 2500	94.5 95.5	95.9	94.9 95.9 96.3	95.9	94.9	95.9	94.9	95.9	95.9	94.9	95.9	94.9	94.9		95.9	95.9
≥ 2000	96.3	96.9			96.3 97.0	97.0 97.0	96.3 97.0 97.0	97.0				96.3 97.0 97.0		97.0	96.3 97.0 97.0	97.0
≥ 1500	96.5	97.0	97.4	97.1	97.1	97.1	97.1	97.1	97.1 97.4	97.4	97.1	97.1	97.1	97.1	97.1 97.4	97.1
≥ 1000 ≥ 900		97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8		98.2	97.8	97.8	97.8	98.2	97.8
≥ 800 ≥ 700		98.5	98.6	98.6	98.6	98.8	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 500 ≥ 500	97.8	98.7		99.5	1	99.2			99.6	99.7	99.7	99.2	99.7	99.2	99.7	99.7
≥ 400 ≥ 300 ≥ 700	97.8	98.7		99.5	99.5	99.5	1	99.7	99.8	99.9			1	99.8	99.8	99.9
± 100 ≥ 0	97.8	98.7	99.2	99.5 99.5		_	99.6	99.8	99.9	00.0	00.01	00.0	00.0	00.0	00.0	00.0

(FROM HOURLY OBSERVATIONS)

TOTAL NUMBER OF OBSERVATIONS ______ QTC

USAF ETAC (OL. A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD

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____AUG

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING							VIS	BILITY IST	ATOTE MIL	E S						
FEET	≥10	≥6	≥ 5	≥ 4	23	227	≥ 7	≱ir.	ا دا≲	≥1	2 's	۰، ج	≥ :	25 16	≥.	≥0
NO CEIUNG ≥ 20000	64.6 76.2	64.6 76.2		64.6 76.2	64.6	64.6 76.2	64.6	64.6	64.6	64.6	64.6 76.2	64.6	64.6	64.6	64.6	64.6
2 18000 ≥ 16000	76.6 76.6	76.6 76.6	76.6 76.6	76.6 76.6	76.6 76.6	76.6 7 6. 6	76.6 76.6	76.6 76.6	76.6	76 • 6	76.6 76.6	76.6	76.6 76.6	76.6 76.6	76.6 76.6	76.6 76.6
≥ 14000 ≥ 12000	77.7	77.7	77.7 79.7	77.7 79.7	77.7	77.7 79.7	77.7 79.7	77.7	77.7	77.7 79.7	77.7 79.7	77.7	77.7	77.7	77.7	77.7
5 0000 ₹ 00001 ₹	84.9	85.3 85.6	85.3 85.6	85.3 85.6	85.3 85.6	85.3 85.6	85.3	85.3	85.3	85.6	85.3	85.3	85.3	85.3	85.3	85.3
≥ 8000 ≥ 7000	88.2 89.2	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5 89.6
≥ 6000 ≥ 5000	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1 94.2
≥ 4500 ± 4000	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
2 3500 2 3000	95.6	95.9	95.9	95.9 96.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
2 2500 ≥ 2000	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
1800 2 150e	97.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98 • 2 98 • 4
2 1200 3 1000	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
2 900 ≥ 800	98.4 98.4 98.5	98.9 98.9	99.0 99.0	99.1 99.1 99.6	99.1 99.1	99.1 99.1 99.6	99.1	99.1	99.1 99.1 99.6	99.1 99.1	99.1	99.1	99.1 99.1	99.1	99.1 99.1	99.1 99.1 99.6
≥ 700 ≥ 600	98.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9		99.9
.: 500 ≥ 400	98.7	99.8	99.9	100.0		100.0	100.0	00.0	00.0	100.0	100.01	00.0		00.0	00.0	00.0
2 300 2 200	98.7 98.7	99.8	99.9	100.0	100.0	100.0	100.0	00.0	00.0	00.0	-X-X-1-7-P	00.0	00.0		00.0	00.0
. 100 . 0	98.7	99.8	99.9	100.0	100.0	100.01	130.01	00.0	00.0	00.0	00.01	00.01	00.0	00.01	00.01	00.0

TOTAL NUMBER OF OBSERVATIONS_

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD

AUG.___

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

(EIDNC)			***************************************				vis	IBILITY ST	ATUTE MIL	ES.						
1661	≥10	≥6	≥5	≥ 4	≥3	≥2.	≥ ?	≥1.	≥1.	≥1	≥ '₄	≥ ,		25 16	·	30
NO CEIUNO ≥ 20000	63.5 77.5	63.5 77.5	63.5 77.5	63.5 77.5	63.5 77.5	63.5	63.5 77.5	63.5 77.5	63.5 77.5	63.5	63.5 77.5	63.5	63.5 77.5	63.5 77.5	63.5 77.5	63.5 77.5
2 18000 2 15000	77.6 77.8	77.6 77.8	77.6 77.8	77.6 77.8	77.6	77.6	77.6 77.8	77.6 77.8	77.6 77.8	77.6	77.6 77.8	77.6	77.6	77.6 77.8	77.6 77.8	77.6 77.8
≥ 14000 ≥ 12000	79.0 80.5	79.0 80.5	79.0 80.5	79.0 80.5	79.0 80.5	79.0 80.5	79.0 80.5	79.0 80.5	79.0	79.0	79.0 80.5	79.0	79.0 80.5	79.0 80.5	79.0 80.5	79.0 80.5
≥ 10000 ≥ 9000	85.9 86.3	85.9 86.3	85.9 86.3	86.0 86.4	86.0 86.9	86.4	86.0	86. U 86. 4	86.0	86.0	86.0 86.4	86.0	86.0 86.4	86.0	86.4	86.0
≥ 8000 ≥ 2000	89.5 90.3	89.5 90.3	89.5 90.3	89.6 90.4	89.6 90.4	89.6 90.4	89.6 90.4	89.6 90.4	90.4	89.6 90.4	89.6 90.4	89.6	89.6 90.4	89.6 90.4	89.6 90.4	
≥ 6000 ≥ 5000	91.5 95.0	91.6 95.2	95.2	91.7 95.3	91.7 95.3	91.7	91.7 95.3	91.7 95.3	91.7 95.3	91.7 95.3	91.7 95.3	91.7 95.3	91.7 95.3	91.7 95.3	91.7 95.3	91.7
2 4500 2 4000	95.4 97.1	95.5	97.2	95.6 97.3	95.6	95.6	95.6	95.6 97.3	95.6	95.6 97.3	95.6	95.6	95.6	95.6 97.3	95.6 97.3	97.3
2 3500 2 3000	97.5 98.0	98.1	97.6 98.1	97.7 98.2	97.7	97.7	98.3	97.7	97.7 98.3	97.7 98.3	98.3	97.7	97.7	97.7	1	97.7
≥ 2500 ≥ 2000	98.4	98.5	98.6	98.6	98.7	98.7	98.7	98.7 98.8	98.7	98.7 98.8	98.7 98.8	98.7 98.8	98.7 98.8	98.7	98.8	98.7 98.8
2 1800 2 1500 2 1200	98.5	98.6	98.6 99.1	98.7	98.8	98.8	98.8	98.8	98.8	98.8	99.4	98.8	98.8	98.8	98.8	98.5
2 100C 2 100C	98.8	99.1	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800 ≥ 700	98.8 98.8 98.8	99.1 99.1	99.1 99.1	99.2 99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
2 600 t 500		99.1	99.1 99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4 99.4 99.6	99.4 99.4 99.6	99.4 99.4	99.4	99.4	99.4
2 400 2 300	98.8	99.2	99.2		99.7	99.8	99.8	99.8	99.8	99.8	99.6 99.8	99.8	99.8	99.8	99.6 99.8	99.8
2 200 2 100	98.8	99.2	99.2	99.6	99.91	00.0	00.0	00.0	00.0	00.0	0.0	00.0	00.0	00.0	00.0	00.0
. 0	98.8	99.2	99.2								00.0			00.01		

TOTAL NUMBER OF OBSERVATIONS

USAFETAC AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2

726625 ELLSWORTH AFB SD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING							VIS	BILITY ST	ATUTE MIL	ŁS						
! ! ! ! !	≥10	≥6	≥ 5	≥ 4	≥3	≥2 7	≥ 2	≱ir,	. اج	≥1	≥ '₄	≥%	≥ .	≥5 15	ž .	≥0
NO CEILING 2 20000	67.3				_ = ::	67.3	67.3	67.3	67.3 78.4	67.3 78.4	67.3	67.3	67.3	67.3	67.3	67.3
≥ 18000 ≥ 15000	78 • 4 78 • 5	78.4 78.5	78.4	78.4	78.4	78.4	78.4	78.4	78.4 78.5	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 14000 ≥ 12000	80.0		80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 10000 ≥ 9000	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	81.9	86.5	86.5	86.5	86.5	86.5
≥ 8000 ≥ 7000	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
> 6000 : 5000	91.7	91.7	91.7	91.7 92.1	91.7 92.1	91.7	91.7	91.7 92.1	91.7 92.1	91.7 92.1	91.7 92.1	91.7 92.1	91.7 92.1	91.7 92.1	91.7 92.1	91.1
2 4500	96.2	96.2 97.1	96.2	96.2 97.1	96.2 97.1	96.2 97.1	96.2 97.1	96.2 97.1	96.2 97.1	96.2 97.1	96.2	96.2	96.2 97.1	96.2 97.1	96.2 97.1	96.2
≥ 4000 ≥ 3500	98.U	98.1	98.1 98.6	98.1	98.1 98.6	98.1	98.6	98.1	98.6	98.6	98.1	98.6	98.1 98.6	98.6	98.1 98.6	98.6
± 3000 ≥ 2500	98.5 98.8	98.7	98.7	98.7	98.7 99.0	98.7	98.7	98.7	98.7	98.7	98.7 99.0	98.7	98.7	98.7	98.7	99.0
≥ 2000 ≥ 1800	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
£ 1500 3 1200	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1 99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
.: 1000	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
2 900 2 800	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2
≥ 700 ≥ 600	98.9 98.9	99.1 99.2	99.1 99.2	99.1	99.1 99.2	99.1	99.1	99.2	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
± 500 ± 400	98.9 98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5
2 300 2 200 }	98.9 98.9	99.5	99.7 99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
> 100 2 0	98.9	99.5	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.91	E		00.01	00.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC -1.64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DESCRETE

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD

- Aug

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

CENING]						VIS	IBILITY ST	ATO'E MIL	15						
itei	≥10	≥6	≥ 5	2.4	≥3	≥2;	2.2	≥i,	21.	. ≥1	2 '4	ş.,	≥ :	2316	≥ .	≥0
2 20000	71.5 77.9	71.7	71.7 78.1	71 • 7 78 • 1	71.7 78.1	71.7 78.1	71.7 78.1	71.7	71.7	71.7 78.1	71.7 78.1	71.7	71.7	71.7	71.7	71.7
≥ 18000 ≥ 16000	77.9 77.9	78.1 78.1	78.1 78.1	78 • 1 78 • 1	78.1 78.1	78.1 78.1	78.1 78.1	78 · 1	78.1 78.1	78.1 78.1	78.1 78.1	78.1	78.1 78.1	,	78.1 78.1	
≥ 14000 ≥ 12000	78.3 80.3	78.5	78.5 80.5	78.5 80.5	78.5	78.5 80.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5 80.5	78.5 80.5	78.5 80.5	78.5
≥ 10000 ≥ 9000	85.4 86.0	85.7	85.7	85.7	85.7	85.7	85.7 86.3	85.7	85.7 86.3	85.7 86.3	85.7	85.7	85.7	85.7 86.3	85.7	85.7
≥ 8000 ≥ 7000	90.4 91.3	90.9	90.9 91.7	90.9	90.9	90.9	90.9 91.7	90.9	90.9	90.9 91.7	90.9	90.9	90.9	90.9	90.9	90.9
≥ 6010 ≥ 5000	91.6 94.9	92.0	92.0 95.5	92.0 95.6	92.0 95.6	92.0 95.6	92.0 95.6	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
₹ 4500 ≥ 4000	95.9 96.4	96.4 77.1	96.4 97.1	96 · 6 97 • 2	96.6	96.6 97.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.
≥ 3500 ≥ 3000	97.1 97.3	97.7 98.2	97.7 98.2	97.8	97.8 98.3	97.8 98.3	97.8	97.8	97.8 98.3	97.8 98.3	97.8 98.3	97.8	97.8 98.3	97.8	97.8 98.3	97.
2 2500 ≥ 2000	97.4	98.4	98.4	98.5 98.9	98.5	98.5 98.9	98.5	98.5	98.5 98.9	98.5 98.9	98.5 98.9	98.5	98.5 98.9	98.5	78.5 98.9	98.
≥ 1800 ≥ 1500	97.6		98.8 98.9	98.9 99.0	98.9 99.0	98.9 99.0	98.9 99.0	98.9	98.9	98.9	98.9 99.0	98.9 99.0	98.9 99.0	98.9 99.0	98.9	98.
≥ 1200 ≥ 1000	97.7	99.0	99.2	99.4	99.1	99.4	99.1	99.4	99.4	99.1	99.1	99.4	99.1	99.1	99.1	99.
.3 900 ≥ 800	98.0	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.
≥ 700 ≥ 600	98.0	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
2 500 2 400 2 300	98.1 98.1 98.1	99.6 99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.
2 200	98.1	99.6	99.6	99.7 99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100 ≥ 0	98.1	99.6	99.6	99.7	99.7	99.7	99.8	00.0		100.0	00.01			00.0	00.0	

TOTAL NUMBER OF OBSERVATIONS

USAFETAC AIR HEATHER SERVICE/MAG

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD 73-82

AHG

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CERING							VI5	BIGITY ST	ATUTE MIL	FS			•			
FEET	≥10	≥6	≥5	≥ 4	≥ 3	27.	27	≥1.	≥1.	≥1	≥'•	۱٬ څ	2 :	2516	2.	≥0
5 30000 NO CERIMO	68.7 77.1	68.9 77.4	68.9	68.9 77,4	68.9	68.9 77.4	68.9	68.9	68.9 77.5	68.9	68.9	68.9	68.9	68.9	68.9 77.4	68.9
≥ 18000 ≥ 16000	77.2 77.3	77.5 77.6	77.5 77.6		77.5 77.6	77.5 77.6	77.5 77.5	77.5	77.5 77.6	77.5 77.6	77.5 77.6	77.5 77.6	77.5 77.6	77.5 77.6	77.5 77.6	77.5 77.6
≥ 14000 + 12000	78 • 2 80 • 4	78.5	78.5 80.6	78.5 80.6	78.5	78.5	78.5 80.7	78.5	78.5	78.5 80.7	78.5 80.7	78.5	78.5	78.5 80.7	78.5	78.5 80.7
- 1(a0)0 ≥ 80(0	85.3	85.6	85.6	85.6	85.7	85.7	86.2	85.7	85.7	86.2	85.7	86.2	86.2	85.7	85.7	85.7
≥ 8000 ≥ 2000 > 6000	89.1 90.1 91.0	89.4 90.5	89.4 90.5	89.5 90.5	90.5 91.5	90.5	90.5	90.5	90.5 91.5	90.5 91.5	90.5 91.5	90.5 91.5	90.5 91.5	89.5 90.5 91.5	89.5 90.5 91.5	89.5 90.5 91.5
. 5000 . 4500	93.7	94.3	94.3	94.3	94.4	94.9	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.9	94.4
± 400€ ≥ 150¢	95.2	95.7	95.8	95.4	95.8	95.8	95.8	95.8 96.4	95.8	95.8 96.4	95.8	95.8	95.8	95.8	95.8	95.8
2504	96 • 2 96 • 5	96.9	76.7 77.3	96.9 97.4	97.0	97.4	97.4	97.0	97.0 97.4	97.0 97.4	97.4	97.0 97.4	97.0 97.4	97.0 97.4	97.0 97.4	
1800	96.9	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
2 1200 ≥ 1200 1 1000	97.3	97.9	97.9	98.0	98.3	98.3	98.1	98.3	98.3	98.3	98.1	98.3	98 • 1 98 • 3	98.1	98.3	98.3
: 900 : 800	97.4 97.5 97.6	98.3 98.3	98.4	98.5	98.5	98.5 98.7	98.5 98.5 98.7	98.5 98.5 98.7	98.5 98.5 98.7	98.5 98.7	98.5	98.5 98.7	98.5 98.6 98.7	98.6	98.5 98.6 98.7	98.5 98.6 98.8
≥ 700 ≥ 600	97.6	98.6 98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	78.9 98.1	99.0	99.0	99.0	99.0
≥ 500° ≥ 400°	97.7	98.8	99.0 99.2	99.2	99.3	99.3	99.3 99.5	99.3 99.5	99.3	99.3	99.3	99.3	99.3 99.6	99.3	99.4	99.4
≥ 300 ≥ 200	97.8	98.9 98.9	99.2 99.2	99.4	99.5	99.5	99.5	99.5 99.7	99.6	99.6	99.6	99.6 99.7	99.7	99.7	99.8	99.7
100 2 0	97.8	98.9	99.2	99.4	99.5	99.6	99.7	99.7	99.8	99.6	99.8	99.8	99.8		99.91	

TOTAL NUMBER OF OBSERVATIONS____

USAF ETAC 1004 0-14-5 (QL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

726625 ELLSHORTH AFB SD

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200

r Enne							VIS	ibilite St	ATUTE MIL	15						
i +fE1	≥10	50	≥ 5	≥ 4	ز ج	≥2.	≥ ?	≥1.	≥1.	≥1	≟•	≥',	2 /	≥5 16	2 .	≥0
NO CEILING 20000	78.7 81.4	78.8 81.6			79.0 81.8	79.0 81.6	79.0 81.8	79.0 81.8	79.0 81.8	79.0 81.8	79.0 81.8	79.0	79.0	79.0 81.8	79.0 81.8	79.0 81.8
2 18000 2 16000	81.4	81.6 81.6	81.6	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8 81.8	81.8	81.5 81.8	81.8
≥ 14000 ≥ 17000	81.7	81.8	81.8	81.8	82.0	83.6	82.0	82.0 83.6	83.6	AJAG	82.0	82.0	82.0	82.0	83.6	Black
≥ 10000 ≥ 9000 ≥ 8000	87.0 87.3	87.4	87.4	87.4	87.3 87.7	87.3	87.3 87.7	87.3	87.7	87.7	87.3	87.3	87.3 87.7	87.3 87.7	87.7	87.7
≥ 7000	89.2 90.7	89.3 90.8	89.3 90.8	88.6 89.3	88.8 89.6 91.0	88.8 89.6 91.0	88.8 89.6 91.0	88.8 89.6 91.0	88.8 89.6 91.0	88.8 89.6 91.0	88.8	89.6 91.0	89.6 91.0	88.8 89.6 91.0	88.8 89.6 91.0	88.8
2 5000°	92.9	93.1	93.1	93.1	93.3	93.3	93.3	93.3 93.6	93.3	93.3	93.3	93.6	93.3	93.3	93.5	93.3
≥ 3500	93.8	94.2	94.7	94.2	94.4	94.4	94.9	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
2 3000 2 2500 2 2000	94.4	94.9	95.2	,	95.4	95.4 95.4	95.4 95.4	95.4		95.4 95.4	95.4	95.4	95.4	95.4	95.4	1
≥ 1800 ≥ 1500	95.1 95.8 96.2		95.7 96.3 96.8	96.3	95.9 96.6 97.0	95.9 96.6 97.0	95.9	95.9 96.6	95.9 96.6 97.0		95.9 96.6 97.0	96.6 97.0	95.9 96.6 97.0	95.9 96.6 97.0	95.9 96.6 97.0	
2 1200 2 1000	96.6	97.1 97.4	97.1		97.3			97.3 97.7	97.3	97.3		97.3		97.3	97.3	
: 900 ≥ 800	,	97.7 97.7	97.7		97.9	97.9 97.9	97.9 97.9		97.9 97.9		97.9	97.9	97.9	(97.9	
≥ 700 ≥ 600	97.2	98.0	97.8 98.0		98.0	98.0 98.2	98.2	98.2	98.0	98.2	98.0	98.0	94.2	98.2	98.0	98.2
2 400	97.3 97.4	98.0 98.1 98.3		98.1	98.2 98.3 98.7	98.2 98.3 98.7	98.2 98.3 98.7	98.2 98.3 98.7	98.3	98.2 98.3 98.7	98.2	98.2 98.3 98.7	98.3	98.2 98.3 98.7	98.2 98.3 98.7	78.3
(X)'s	97.7		98.6	98.7		99.1	99.2	99.3	99.7		99.7	99.7	99.7	99.7	99.7	99.7
: 0	1	98.4	98.6		- 1 1	99.1	99.2	,	99.7		99.7	99.7	99.8	,	99.91	- 1

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 10164 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DESOLETE

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD 73-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500

CF1	ILING,	The second of the second of the second						VIS	181(117 51	ATUTE MIL	E S					<u> </u>	·—···
- 68	133	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2:	≥ ?	<u>ک</u> ا .	21.	≥1	≥ '₄	≥`^	2.	≥ 5 16	2.	≥0
	EIL:NC+ 20000	75.4 78.9			75.7 79.1		75.7 79.1			75.7 79.1	75.7 79.1	75.7 79.1			75.7 79.1		75.7 79.1
	18000 15000	78.9 78.9	79.1			79.1 79.1	79.1 79.1	79.1 79.1	79.1	79.1 79.1	79.1 79.1	79.1 79.1	79.1 79.1	79.1 79.1	79.1 79.1	79.1 79.1	79.1 79.1
_	14000 12000	78.9 80.1	79.1	79.1 80.3	79.1 80.3		79.1 80.3	79.1	79.1 80.3	79.1 80.3	79.1 80.3	79.1 80.3	79.1 80.3	79.1	79.1 80.3	79.1 80.3	79.1
	9000 9000	83.1	83.3		83.3		83.3 83.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
	8000 2000	85.6 86.6	85.8		85.8 86.8	85.8	85.8	85.8	85.8 86.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
	6000 5000	88.3	88.6		88 • 6 90 • 9	88.6 90.9	88.6	88.6	88.6	88.6 90.9	88.6	88.6 90.9	90.9	88.6	88.6	88.6	88.6
	4500 4000	90.7	91.2	91.2 93.1	91.2 93.1	91.2 93.1	91.2 93.1	91.2	91.2	91.2	91.2	91.2 93.1	91.2	91.2 93.1	91.2	91.2 93.1	91.2
	3500 3000	92.4	93.1	93.1	93.1 93.9	93.1		93.1		93.1 93.9	!	- 1	93.2	93.1		93.1 93.9	93.1
_	7500 7000	93.8	94.8	94.8 95.1	94.8 95.1	94.8	94.8 95.1	94.8	94.8	94.8	94.8 95.1	94.8	94.8	94.8	94.8	94.8	94.8
	1800 1500	94.1	95.1	95 • 1 95 • 8	95.1 95.8	95.1	95.1 95.8	95.1	95 · 1		95.1	95.1 95.8	95.1 95.8	95.1	95.1 95.8	95.1 95.8	95.1 95.8
_	1200 1000	95.4	96.6		96.6	96.6 96.7	96.6	96.6	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
?	900 800	96.0	97.1	97.1 97.1	97.1 97.1	97.1 97.1	97.1	97.1	97.1		97.1	97.1	97.1	97.1	97.1 97.1	97.1	97.1
ž	700 600	96.0	97.1 97.1	97.1	97.1 97.1	97.1		97.1	97.1 97.1		97.1	97.1	97.1	97.1	97.1 97.1	97.1	97.1
<u>:</u>	500 400	96.2	97.3	97.3	97.3	97.3 97.7	97.3	97.3	97.3		97.3	97.8		97.3	97.3	97.3	97.3
2	300 200	96.9	98.1 98.7	98.1 98.7	98.2	98.7	1	98.8	93.8		98.8	98.8			98.8	98.8	98.8
?	Tuo U	97.2		98.7	98.8	99.2	99.3	99.3	99.3	99.3		99.6			99.6	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC - O-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD

SEP.

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

73-82

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CERNO	<u>.</u>						VIS	si B itity St	AT TE MIL	. F 5						ļ
! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! !	≥10	≥ 6	≥ 5	≥4	23	≥2.	≥ /	ر أ≤	21.	21	≥ '•	2.		≥ 5 16	٠. د	20
NO CEILING ≥ 20000	68.7 74.6	69.1	69.2 75.2	69.2 75.2	69.2 75.2	69.2 75.2	69.2 75.2	69.2 75.2	69.2 75.2	69.2 75.2	69.2 75.2	69.2 75.2	69.2	69.2 75.2	69.2 75.2	69.3 75.3
≥ 18000 ≥ 16000	74.6 74.7	75.1 75.2	75.2 75.3	75.2 75.3	75.2 75.3	75.2 75.3	75.2 75.3	75.2 75.3	75.2 75.3	75.2 75.3	75.2 75.3	75.2 75.3	75.2 75.3	75.2 75.3	75.2 75.3	75.3 75.4
≥ (4000) ≥ 12000	74.9 76.3	75.4	75.6 77.1	75.6 77.1	75.6 77.1	75.6	75.6 77.1	75.6 77.1	75.6 77.1	75.6 77.1	75.6 77.1	75.6	75.6 77.1	75.6 77.1	75.6 77.1	75.7 77.2
≥ 10000 ≥ 9000	80.4 80.8	81.2	81.3	81.4	81.4	81.4	81.4		81.4	81.4	81.4	81.4	81.4	81.4	61.4	81.6
2 8000 2 7000	82.8 84.6		83.8	83.9 85.7	83.9	83.9	83.9	83.9	83.9	85.7	83.9	83.9	84.0	84.0	84.0	84.1
≥ 6000 : 5000	86 • 2 88 • 2	87.1	87.2 89.2	87.3 89.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.4	87.4	87.4	87.6
* 4500 ± 4000	88.8	89.7	89.8 90.9	89.9 91.1	89.9 91.1	89.9	89.9	89.9 91.1	89.9	89.9	89.9 91.1	89.9	90.0	90.0 91.2	90.0	
2 3500 2 3000	90.9 91.3	91.9	92.1 92.7	92.3 92.9	92.3	92.3	92.3 92.9	92.3 92.9	92.3	92.3	92.3	92.3	92.4 93.0	92.4 93.0	92.4 93.0	92.6 93.1
≥ 2500 ≥ 2000	91.7 92.0	92.8 93.1	93.0 93.3	93.2 93.6	93.2	93.2 93.6	93.2 93.6	93.2 93.6	93.2 93.6	93.2	93.2 93.6	93.2	93.3	93.3 93.7	93.3 93.7	93.4 93.A
≥ 1800 ≥ 1500	92.0 92.9	93.1	93.3 94.2	93.6 94.6	93.6 94.6	93.6	93.6 94.6	93.6 94.6	93.6	93.6	93.6 94.6	93.6	93.7	93.7 94.7	93.7 94.7	93.8
≥ 1200 ± 1000	93.3 93.7	94.7 95.0	95.1 95.4	95.6 96.0	95.6 96.0	95.6 96.0	95.7 96.1	95.7 96.1	95.7 96.1	95.7 96.1	95.7 96.1	95.7 96.1	95.8 96.2	95.8 96.2	95.8 96.2	95.9
· 900 ≥ 800	93.7 93.7	95.U 95.4	95.4 95.9	96.4	96.0 96.4	96.0	96.2 96.7	96.3 96.8	96.3	96.3	96.3 96.8	96.3	96.4	96.4	96.4	96.6 97.0
2 700 2 60c	93.7 93.7	95.4 95.7	95.9 96.1	96.4 96.8	96.4 96.9	96.4	96.7 97.1	96.8 97.2	96.8	96.8 97.2	96.8 97.2	96.8	96.9 97.3	96.9	96.9 97.4	
	93.7 93.7	95.9	97.0	97.1 97.7	97.8	97.2	98.1	99.6	90.4	90.6	97.7	97.7 98.6	97.8	97.8	98.9	99.D
2 700	93.8	96.3	97.1	97.9	W.	98.0	98.3	98.8	77.0	99.1	99.1	99.2	99.2	99.2		99.6
: 100	93.8 93.8	96.3 96.3	97.1 97.1	98.1 98.1	98.2 98.2	98.2	98.7 98.7	99.1	99.3	99.6	99.6	99.6	99.7	99.7		00.0

TOTAL NUMBER OF OBSERVATIONS 900

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD 73-82 SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100

CHUNG							٧١5	SIBILITY ST	ATUTE MIL	ŧs.			_			
FEET:	≥10	≥6	≥ 5	≥ 4	≥3	≥2 ;	≥ 7	≥1.	≥1.	. ≥1	≥ '4	2.	2:	≥5 16	2.	≥0
25000	72.1 78.3		72.1 78.3		72.1 78.3					72.1 78.3						72.1 78.3
! ≥ 18000 . : '6000	78.4 78.7			78.4 78.7	78.4 78.7		,		,	78.4			78.4 78.7		78.4 78.7	1
≥ 14000 ≥ 12000	79.0 80.4	79.0 80.4							79.0	79.0 80.4		79.0 80.4	•	79.0		79.0 80.4
. 2 \$100 2 \$100	82.9 83.3	82.9		82.9	82.9 83.3	82.9	82.9 83.3	82.9 83.3		:		82.9	82.9	82.9	82.9	82.9 83.3
≥ 8000 ≥ 4000 E =	85.2 86.7	85.2 86.7		86.7	86.7		,			85.2 86.7			85 • 2 86 • 7			85.2 86.7
. > 6005 - : 5000	88.J 89.6	88.0	89.6	89.6	89.6	\$9.6	49.6		19.6	89.6		89.6		49.6		88.0
4590 4500	91.0	91.0	\$9.8 91.0	91.0	91.0	91.0	91.0	91.0	91.0	89.8 91.0	91.0	91.0	91.0	91.0	91.0	91.0
; 3500 ; 3500 ;	91.4	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
> 250x. 2 2000	93.7	93.7	93,7	93.7	93.7	93.7	93.7	93,7	93.7	92.7 93.7	93.7	23.7	93.7	93.7	93.7	93.7
2 1500 L	93.7	94.1		94.3	94.3	94.3	94.3	94,3	94.3	93.7	94.3	94.3	99.3	94.3	94.3	99.3
; ≥ 170±	94.7	95.6	95.7	95.8	95.9	95.9	95,9	95.9	95.9	95.0 95.9	95.9	25.2	95.9	25.2	25.9	95.9
	95.6	96.1	96.2	96.6		96.7	96.7	96.1	96.8	96.0	96.9	96.9	96.9	96.9	97.0	97.0
2 700 2 600 	96.1 96.1	96.6		97.3 98.0	97.4		97.4	97.6	97.6	97.0 97.6 98.6	97.7		97.7		97.8	97.9
- 2011 - 2400 	96.2	97.0	97.9	98.7	98.9	99.0	99.2	99.4	99.4	99.4	99.6	99.5	99.6	99.6	98.8	98.9
200	96.2	97.0	98.0	98.8	99.0	99.1	99.3	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.0	99.9
										99.7						

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC - 1 CE O+14-5 (OL A) MERIOUS EDITIONS OF THIS FORM AND OBSOLETE

CEILING VERSUS VISIBILITY

ELLSWORTH AFB SD 73-82

SEP.

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

75<u>00-140</u>0

EILING						·· ·· ··	V15	iBillity St.	ATOTE AND	ES						
. 1161	≥10	≥6	≥ 5	≥4	≥3		≥7	≥'ι	21.	<u>2</u> · ∫	2 4	≥ v	2 .	25 16	2.	≥0
NO CHUNG	,	71.1 78.4	71.1 78.4		71.1 76.4									71.1 78.4		
.: 18000 .: 16000	78.9 79.0				78.9 79.0					78.9 79.0	- 1					
2 14000 2 17000	79.0 80.1	80.1	80.1	. 1	79.0 80.1	79.0	80.1	80.1	80.1	80.1	80.1			79.0 80.1		79.0
≥ 9000 ≥ 9000	84.2	84,7	84.7	84.2	89.7	84.2	84.7	84.7	84.7	84.2	84.7	84.2	84.7	84.2	84.7	84.7
2 8000 ± 2000 j	87.3		87.3	87.3	86.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	86.0	87.3	87.3
2 6000 2 5000	89.9	89.9	89.9	89.9	88.3	89.9	89.9	89.9	89.9	89.9	89.9	19.9	89.9	89.9	88.3	89.9
.: 4000 - 3500	92.3	92.3		92.4	90.2 92.4 93.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 2500	93.6	93,6	i	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
2000) 2 1800		95.4		95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7		95.7	95.7
2 1500 2 1200	95.8	96.D 97.1		96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	26.1	96.1	26.3	96.3
2 1000			97.9		98.C						98.2			98.0		98.0 98.2
2 800	97.8	98.3	99.0	99.1	99.0 99.1	99.1	99.1	99.1	99.2	99.2		99.2	99.2	99.0	99.2	99.2
. 600 . 500 . 2 400	97.8	98.4	99.1	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
300	97.9	98.6	99.2		99.4	99.4	99.4	99.7	99.9	99.9	99.9	99.9	99.7	99.8 99.9	99.9	99.9
> 100 > 0	97.9	98.6	99.2	99.3	99.4	99.4	99.4	99.7	99.91	00.0	00.0	00.0	00.0		04.0	00.0

TOTAL NUMBER OF OBSERVATIONS...

USAF ETAC 1004 0+14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD

73-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CERUNC							VIS	IBILITY STA	ATUTE AND	ES						
1661	210	≥ 6	≥ 5	≥4	£3	≥2.	≥2	≥i	21.	≥1	≥ ∵	2.	≥ ;	≥5 16	<u> </u>	≥0
NO CEIUNG ≥ 20000	68.3 77.4	68.3	68.3							68.3 77.4	68.3	68.3	68.3	68.3	68.3 77.4	68.3
2 18000 2 2006! ≲	78.0	78.0	78.0				78.0	78.0	78.0		78.0	78.0		78.0		78.0
2 14000	78 • 1 78 • 6	78.1	78.1	78.6	78.6	78.6	78.1	78.1 78.6	78.6	75.1	78-1	78.1	78.1	78.1	78.1	. 78
≥ 12000	80.0	80.0	80.0		80.0	80.3	80.0	80.0	78.6		78.6	78.6	80.0	80.0	78.0	78.0
≥ '0000 ¦	84.2	84.2	84.2		84.2	84.2	84.2	84.2	84.2		84.2	84.2	A4.2	84.2	84.2	84.2
≥ 9000	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.5	84.6	84.6	84.6	84.6
8000	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7		87.7	87.7
· /000 i	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.
± 6000 ± 5000	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
	92.0	92.0	92.0		92.0	92.0	92.0	92.0	92.0			92.0		92.0	92.0	92.0
± 4500 ± 4000	92.6	92.6	92.6		92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6		92.6	92.6	92.6
7500	95.3	95.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7		94.7	94.7	94.
\$ 3000	95.9	96.0	96 D	96.0	96.0	95.4	95.4	95.4 96.0	95.4		95.4		95.4	95.4	95.4	
≥ 2500	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.0 96.3	96.3	96.0	96.0	96.
≥ 2000	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.3	96.3	96.
≥ !800	96.9	97.0	97.0	97.0	97.0	97.0	97.0				97.0	97.0	97.0	97.0		97.0
£ 1500	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	96.2	98.2	98.2	98.2	98.2	98.2
≥ 1106	98.3	98.6	98.6	98.6	98.6	98.6	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	
2 1000	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.6	98.8	98.8	98.8	98.8	98.8	24.4
-: 90¢ '≥ 800	98.4	98.7	98.8	98.8	98.8	98.8	98.8		98.8	78.8	98.8	98.8	98.8	98.8	98.8	98.8
	98.4	98.7	98.8	98.8	98.8	98.8	98.8		98,8	98.8	98.8	78.8	98.8	98.8	98.8	98.5
≥ 'v :	98.4	98.7	98.8	98.8	98.8	98.8	98.8		98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
	98.4	98.9	99.0	99.0	99.0	99.0				99.0	99.0	99.0	99.0		99.0	99.0
2 400 I	98.4	99.2	99.3	99.4	99.4	99.4			1	99.4	99.4		99.4	-	- 1	99.4
± 300 ;	98.4	99.2	99.3	99.4	99.4	99.4				99.6	99.6	99.6	99.6	99.6		29.6
≥ 700	98.4	99.2	99.3	00.4	99.4	99.4			99.6	99.7	99.7	99.7	99.7		. 1	99.7
· · · · · ·			99.3	99.4	99.4	99.4	99.4			99.8	99.8	99.8	99.8		-	99.8
2 0	98.4		99.3	99.4	99.4	99.4					99.8	7700	99.8		99.81	

TOTAL NUMBER OF OBSERVATIONS 901

USAF ETAC - 1 - 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DESOLUTE

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD STATION NAME

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73-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

CELLING							VIS	IBILITY ST	ATUTE MIL	ES						
1161	≥10	≟ 6	≥ 5	2.4	2:3	≥ 2 .	2.7	≥i.	≥1,	≥1	≧ '₁	≥ ·,	≥ .	2.5 16	2.	20
NO CEITING	73.2 79.2				73.3 79.3		73.3 79.3	73.3 79.3			73.3 79.3	73.3	73.3 79.3	73.3 79.3	73.3 79.3	
. ± 18000 ≤ 16000	79.4 79.6		79.6 79.7	79.6	79.6 79.7	79.6 79.7	79.6 79.7	79.6 79.7	79.6 79.7	79.6 79.7	79.6 79.7	79.5	79.6 79.7	79.6 79.7		79.6
≥ 14000 ≥ 12000	79.9 81.6		80.0 81.7	80.0 81.7	80.0	80.0	80.0 81.7	80.0 81.7	80.0 81.7	80.0 81.7	80.0 81.7	80.0	80.0 81.7	80.0	80.0	T 1 I
≥ 10000 ≥ 9000	85.3 86.3		85.4	85.4	85.4	85.4	85.4	85.4 86.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
2 8000 7 7000	88.4 90.7		88.6 90.8	90.8	88.6	88.6	88.6	90.5		88.6	88.6 90.8	88.6 90.8	88.6	88.6 90.8	88.6 90.8	
≥ 6000 ≥ 5000	91.6 92.8	92.9	92.9	91.7	91.7	92.9	91.7 92.9	91.7	91.7 92.9	91.7 92.9	91.7	91.7	91.7	91.7 92.9	91.7	
≥ 4500 ≥ 4000	94.6		94.9	94.9	94.9	94.9	93.0	94.9	93.0	94.9	94.9	94.9	94.9	94.9	93.0	94.9
≥ 3500 ≥ 3000	95.3 95.8	96.1	96.1	96.1	95.7 96.1	95.7 96.1	96.1	95.7 96.1	96.1	96.1	95.7 96.1	95.7	95.7	96.1	95.7	96.1
≥ 2500 ≥ 2000	96.9	97.4	97.4	97.4		97.4	97.4	97.4	97.4	97.4	97.4	97.0 97.4	97.4	97.0 97.4	97.4	97.4
≥ 1800 ≥ 1500 ≥ 1200	97.2		97.8	97.8		97.8	97.8		97.8	97.8	97.8	97.4 97.8	97.8	97.8	97.8	97.8
≥ 1000 ≥ 1000	97.6	97.9 98.2 98.2	98.2	98.2	97.9 98.2 98.2	98.2	98.2		98.2	98.2	98.2	97.9	98.2	98.2	97.9	98.2
≥ 800 ≥ 700	97.6	98.2	98.2	98.2	98.2 98.2	98.2	98.2 98.2 98.2	98.2	98.2 98.2 98.2	98.2	98.2 98.2 98.2	98.2 98.2 98.2	98.2 98.2 98.2	98.2 98.2 98.2	98.2 98.2 98.2	98.2
≥ 600 ≥ 500	97.6	98.2	98.2	98.2	98.2	98.2	98.2	98.2 98.3	98.2	98.2	98.2	98.2 98.3	98.2 98.2 98.3		98.2	98.2
2 400 2 300	97.6	98.6	98.6	98.7	98.8		98.8	94.4	98.8		98.8	98.8	98.8	98.8	98.8	98.8
	97.8	99.0	99.0	1		99.2	- 1	99.3	99.6	99.7		99.9	99.9	99.9	99.9	99.9
¥ 0		99.0		99.1	99.2		99.2				99.9	99.9	99.9	99.91		

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC 1984 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

726625 ELLSHORTH AFB SD 73-82

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

CEIUNG	i						VISI	BILITY STA	ATUTE MILE	15						
FEE1	≥ 10	≥6	≥ 5	≥ 4	≥3	≥2:	≥ 2	ξì,	≥1.	اخ	≥ '•	25	<i>2:</i>	≥5 16	≥ .	≥0
NO CHUNG	75.4 79.9	75.7	,,		75 • 7 80 • 2	75.7 80.2	75.7 80.2	75.7	75.7	75.7 80.2	75.7	75.7	75.7	75.7		
≥ 18000 ≥ 16000	80.0 80.3	80.3	80.3 80.7	80.3 80.7	80.3	80.3	80.3 80.7		80.3	80.3 80.7	80.3	80.3	80.3	80.3		80.3
≥ 14000 ≥ 12000	80.7 82.4	81.0	81.0 82.8	81.0	81.0	81.J 82.8	81.0	81.0	81.0	81.0	81.0 82.8	81.0	81.0 82.8	81.0	81.0	
≥ 10000 ≥ 9000	85.4 85.6	85.8	85.8 85.9	85.8 85.9	85.8 85.9	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 8000 ≥ 7000	86.4 88.1	86.8	86.8 88.4	86.8 88.4	86.8	86.8	86.8 88.4	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8 88.4
≥ 6000 ± 5000	89.6 91.9	89.9 92.2		89.9 92.2	89.9 92.2	89.9 92.2	89.9 92.2	89.9 92.2	89.9 72.2	89.9 92.2	89.9 92.2	89.9	89.9 92.2	89.9 92.2	89.9 92.2	89.9
2 4500 2 4000	92.3 93.2	92.7	93.9	92.7 93.9	92.7 93.9	92.7	92.7 93.9	92.7 93.9	92.7	92.7 93.9	92.7	92.7	92.7	92.7 93.9	92.7 93.9	
≥ 3500 ≥ 3000	93.9	94.6	94.6 95.1	94.6	94.6	95.1	94.6 95.1	94.6	94.6	94.6	95.1	94.6	94.6 95.1	94.6	94.6 95.1	
≥ 2500 ≥ 2000	95.8	95.8	95.9 96.6	95.9 96.6	95.9 96.6	95.9	95.9 96.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	
≥ 1800 ≥ 1500	95.8	96.4	96.6	96.6 96.9	96.6	96.6	96.6	96.6	96.6		96.6	96.6	96.6		96.6 96.9	
≥ 1200 ≥ 1000	96.6	97.2	97.3	97.3 97.7	97.3	97.3 97.7	97.3 97.7		97.7	97.7	97.7	97.3	97.3		97.7	97.7
≥ 900 ≥ 800	96.8	97.6 97.6	97.7	97.7 97.7	97.7		97.7	97.7	97.7	97.7		97.7			97.7 97.7	97.7
≥ 700 ≥ 600 ≥ 500	96.9 97.0	97.7 97.8	97.8 97.9	97.8 97.9	97.8 97.9 98.0	97.8 97.9 98.0		97.8 97.9 98.1	-	97.8 97.9 98.1	97.8 97.9 98.1	97.8 97.9 98.1	97.8 97.9	97.8 97.9 98.1		
≥ 400 ≥ 300	97.2	98.1		98.4	98.4	98.4				98.6 99.1	98.6	98.6	98.6	98.6	98.1 98.6 99.2	98.1 98.6 99.2
2 200 2 100	97.4	98.6	98.8	99.0	99.0	99.0	99.1	99.1	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4
5 0	97.4	98.6					99.1			99.3	59.7	99.7			00.0	

900 TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 100 64 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD

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73-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	<u> </u>						vi\$	IBILITY -ST	ATUTE MIL	F 5	<u>-</u> -				aga da marakan da 140 Majarakan	
E CENTAGE .		,,,													,	
1	≥10	≥6	≥5	≥4	≥ 3	.≥2γ	₹?	<u>≥</u> 1	≥1.,	≥1	≥ '•	≥ √	} ≥ :	≥ 5 16	5 .	≥0
NO CEIUNG	72.9 78.5	73.0			4	73.1 78.7	73.1 78.7	73.1			73.1 78.7	73.1		73.1		73.1 78.8
i ≥ 18000 i ≥ 16000	78.7	78.9	78.9	78.9	78.9	78.9	78.9 79.0	78.9	78.9		78.9	78.9	78.9	78.9 79.0		78.9
2 14000 2 12000	78.8	79.0 79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 10000	80.5	80.7	84.3	80.7	84.3	80.8 84.3	80.8	84.3	80.8	84.3	84.3	84.3	84.3	84.3	84.3	80.8 84.3
≥ 9000	84.5	84.7	84.7	84.7	84.8	84.8	84.8	84.8	86.6	86.6	84.6	86.6	86.6	84.4	86.6	86.6
≥ 7000	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	ABAD	88.0		88.0	88.0	88.0
- 5000°	90.9		91.2	89.4 91.2	91.3	91.3	91.3	89.4 91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	89.4
≥ 4500 ≥ 4000	91.3	91.6 93.1	91.6	91.6 93.2	91.6 93.2	91.6		91.6 93.2	91.6 93.2	91.6 93.2	91.6 93.2	91.6	91.6	91.6	91.6 93.2	91.6
≥ 3500 ≥ 3000	93.3	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.9	93.9	93.9	93.9
≥ 2500	94.4 95.0	94.9	95.0	95.0	95.0 95.6	95.0 95.6	95.0	95.0	95.0	95.D	95.0	95.D	95.0	95.0	95.0	95.1
≥ 1800 ≥ 1500	95.1	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	
≥ 1200	95.3	96.7	96.9	96.3		96.4		96.4 97.0	97.0	96.4	97.0	97.0	96.4	96.4	90.5	97.0
≥ 1000 ≥ 900	96.4	97.1	97.3		97.4	97.4	97.4	97.5	97.4	97.5	97.4	97.4	97.4	97.5	97.4	97.4
≥ 800	96.7	1	97.6	97.7			97.8	97.4	97.8	97.4	97.8	97.8	97.8	97.8	97.8	97.8
≥ 700 ≥ 600	96.7	97.6	97.6 97.8			98.0		97.8 98.1	97.9	98.1	97.9 98.1	98.1	97.9 98.1	97.9 98.1	97.9 98.1	97.9 98.2
≥ 500 ≥ 400	96.8	97.7	98.0	98.2	98.2	98.3	98.3	98.3	78.4	98.4	98.4	98.4	98.4	98.4	98.4	98.5
≥ 300 ≥ 200	97.0 97.1	98.1	98.5	98.6	98.9	99.0	99.0	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.4
100 م	97.1	98.2	98.6	98.9	99.1	99.1	99.2	99.4	99.5	77.0	99.7		99.8	99.8	99.9	
≥ 0	97.1	98.2	98.6	98.9	99.1	99.1	99.2	99.4	99.5	99.6	99.7	99.7	99.8	99.8	99.9	00.0

USAF ETAC 101 64 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD

0000-0200

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY ST	ATUTE MIL	£5						
FEF1.	≥10	≥ 6	≥ 5	≥ 4	≥3	≥2 ∵	≥ 2	≥1,	≥1'.	≥1	≥ ′₄	≥`,	≥::	≥5 16	، ج	≥0
NO CEILING ≥ 20000	70.5 76.2	70.6	71.0	71.0	71.0	71.0	71.0 76.7	71.0	71.0 76.7	71.0	4 - 4	71.0	71.0	71.0	71.0	71. 76.
≥ 18000 ≥ 18000	76.2 76.2	76.3 76.3	76.7	76.7	76.7	76.7 76.7	76.7 76.7	76.7	76.7	76.7 76.7	76.7	76.7	76.7	76.7	76.7	
≥ 14000 ≥ 12000	76.6 77.7	76.7	77.0	77.0	77.0	77.0	77.0 78.2	77.0			77.0	77.0	77.0	77.0	77.0	
≥ 10000 ≥ 9000	80.6 80.9	80.8	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.
≥ 8000 ≥ 7000	81.8	82.2	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82
≥ 5000 ≥ 5000	83.1	83.4	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83
≥ 4500 ≟ 4000	85.3	85.7	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86-1	86.1	86
≥ 3500 ≥ 3000	88.6	89.4	89.7	89.7 91.0	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89
≥ 2500 ≥ 2000	90.9	91.9	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92
≥ 1800 ≥ 1500	91.5	92.6	92.9	92.9	93.0	93.0	92.9	93.0	93.0	93.0	93.0	93.0	93.0	92.9 93.0	93.0	93
≥ 1200 ≥ 1000	92.8	94.5	94.8	94.5	94.5	94.9	94.9	94.6	94.6	94.9	94.6	94.6	94.6	94.6	94.6	94
≥ 900 ≥ 800	93.2	94.7	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95
≥ 700	93.3	95.5	95.9	95.3	96.0	96.0	96.0	96.0	96.0	76.0	96.0	96.0	96.0	96.0	96.0	96
≥ 500	93.8	95.9	96.3	96.3	96.5	96.5	96.5	96.5	96.5	98.1	98.1	76.6	98.1	96.6	98.1	98
≥ 400 ≥ 300	94.2	97.2	98.0	98.0 98.1	98.1	98.1	98.1	78.1 98.3	98.1	78.7	98.9	78.5	98.5	98.5	98.5	98
≥ 200	94.3	97.5	98.4	98.4	98.4	98.6	98.7	98.7	98,7	99.7	99.7	99.7	99.8	99.8	99.8	99.
<u>></u> 0	94.3	97.5	98.4	98.4	98.6	98.6	98.7	98.7	98.7	99.9	99.9	99.9			00.0	

TOTAL NUMBER OF OBSERVATIONS....

USAF ETAC 118 64 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

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726625 ELLSWORTH AFB SD

Tag

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500

CEUNG	!						VIS	BILITY ST	ATUTE MII	t 5						
1331	≥10	≥6	≥5	≥4	≥3	≥2.	≥?	ياً≾	21.	2:1	2 .	≥ 'x	2.	25 la	2 ·	20
NO CEIUNG 2 20000	71.2 76.2		71.5 76.6								71.5 76.6			71.5		
≥ 18000 ≥ 16000	76.2 76.2		76.6 76.6	76.6 76.6	76.6 76.6					76.6	:	76.6			76.6	
÷ 14000 ≥ 12000	76.6 77.5	76.8	76.9		76.9		76.9	76.9		76.9	76.9		76.9		76.9	76.9
≥ 10000 ≥ 9000	80.4	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.6
≥ 8000 ≥ 2000	1	81.5	81.6	81.6	81.8	81.8	81.8	81.8		81.9	81.9	81.9	81.9		81.9	81.9
≥ 6000 ≥ 5000		83.9		84 . D	84.2	84.2	84.2	84.2	84.2	84.3		84.3	84.3	84.3	84.3	
* 4500		85.4		85.5	85.7		86.8		85.7		85.8 86.9	86.9	86.9	86.9	86.9	
.: 4000 .: 3500	88.3			88.7 90.3	88.9 90.5						89.0 90.6				90.6	
≥ 2500 ≥ 2500	90.4	91.3		91.5 92.7	91.7	91.7	91.7		91.7. 92.9		91.A 93.D	91.8			91.8	
≥ 7000			93.9				94.2	94.2	94.2		94.2	94.2	94.2	94.2	94.2	94.2
2 1500 2 1700	93.4	94.7		94.9	95.2 95.4	95.2	95.2	95.2	. ,	95.3	95.3	95.3	95.3	!	95.3	95.
2 1000	93.8	95.1	95.3	95.3		95.6	95.6	95.6	95.6		95.7	95.7	: 1	95.7 95.9	95.7	95.7
≥ 800	93.8	95.3	95.5	95.5	95.8	95.8	95.8	95.8	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 600	94.0	95.7	95.8	95.9		96.2	96.3	76.3	96.6		96.7	96.5	96.7	96.7	96.7	96.
.: 500	94.4		97.0	97.1	97.6	97.6		98.0	98.2	98.4		94.4	98.4	98.4	98.4	98.4
± 200		97.1	97.7		98.6	98.6	99.0	99.0	99.2	99.6	99.6	79.6	99.6	99.2	92.6	22.6
÷ 100 ≥ 0	- 1		98.1	- 1							100.01					

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 111 64 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

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726625 ELLSHORTH AFB SD 73-82 YEAR JOHN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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CFILING						-	VI5	iBility ST	ATUTE MIL	£5						
1991	≥10	≥6	≥ 5	≥.4	≥3	≥2 :	≥ 7	કો :	≥1'4	≥1	≥ '₄	≥`,	2.	≥5 16	2.	≥0
NO CEILING ≥ 70000	54.6 71.0	64.6	1 1		64.8 71.2	64.8 71.2	64.9	64.9 71.3	64.9 71.3	64.9	64.9	64.9	64.9 71.3	64.9	64.9	64.9
≥ 18000 ≥ 16000	71.2 71.2	71.2	71.2 71.2	71.3 71.3	71.4 71.4	71.4 71.4	71.5 71.5	71.5 71.5	71.5 71.5	71.5 71.5	71.5 71.5	71.5 71.5	71.5 71.5	71.5 71.5	71.5 71.5	71.5 71.5
≥ 14000 ≥ 12000	71.6 73.3	71.6 73.3	71.6 73.3	71.7 73.4	71.8 73.5	71.8 73.5	71.9 73.7	71.9	71.9 73.7	71.9 73.7	71.9 73.7	71.9	71.9 73.7	71.9 73.7	71.9 73.7	71.9 73.7
≥ 10000 ≥ 9000	77.6 78.5	77.6 78.5	77.6 78.5	77.7 78.6		77.8 78.7	78.0 78.8	78.0 78.8	78.0 78.8	78.0	78.0 78.8	78.0 78.6	78.0 78.8	78.0 78.8	78.0 78.8	78.0 78.8
≥ 8000 ≥ 7000	80.4 82.4	80.4	80.4 82.4	80.5 82.5	80.6 82.6	80.6 82.6	80.8	80.8	80.8 82.7	80.8	80.8	80.8	80.8	80.8	80.8 82.7	80 . 8 82 . 7
≥ 6000 ≥ 5000	82.9 84.5	82.9 84.5	82.9 84.5	83.0 84.6	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4 85.1	83.4	83.4 85.1	83.4 85.1
≥ 4500 ≥ 4000	85 · 1 86 · 3	85.1 86.3	85.1 86.3	85.2 86.5	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6 86.9	85.6	85.6
≥ 3500 ≥ 3000	88.3 89.6	88.3	88.3 89.6	88.4 89.7	88.7 90.1	88.7 90.1	88.8 90.3	88.8	88.8	88.8	88.8 90.3	88.8 90.3	88.8 90.3	88.8 90.3	88.8 90.3	88.8 90.3
≥ 2500 ≥ 2000	90.6	90.6 92.5	90.6 92.5	90.8 92.6	91.2 93.0	91.2 93.0	91.4 93.2	91.4	91.4 93.2	91.4 93.2	91.4 93.2	91.4	91.4 93.2	91.4	91.4 93.2	91.4
≥ 1800 ≥ 1500	92.3	92.6 93.7	92.6 93.7	92.7 93.8	93.1	93.1 94.3	93.3	93.3 94.5	93.3	93.3 94.5	93.3	93.3 94.5	93.3 94.5	93.3	93.3 94.5	93.3
≥ 1700 ≥ 1000	94.2	94.7	94.7	94.8 95.1	95.4 95.6	95.4 95.6	95.6 95.8	95.6 95.8	95.6 95.8	95.6	95.6	95.6 95.8	95.6 95.8	95.6 95.8	95.6 95.8	95.6 95.8
≥ 800 ≥ 900	94.2	94.9	94.9 95.2	95.1 95.4	95.6 96.0	95.6 96.0	95.8 96.2	95.8	95.8 96.2	95.8	95.8	95.8	95.8 96.2	95.8 96.2	95.8 96.2	95.8
≥ 700 ≥ 600	94.2	95.2	95.2 95.2	95.5 95.5	96.2 96.2	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 500 ≥ 400	94.9	95.3	95.3	95.7 97.0	96.6	96.6	96.8	96.9	96.9	97.0	98.4	97.1	97.1	97.1	97.1	97.1
≥ 300 ≥ 200	95.1	96.7	97.4	97.8	98.7	98.7	98.7	77.0	99.8	99.9						99.2
001 ≤	95.1	96.9	97.4	98.2	99.1	99.1	99.4	99.8	97.8		00.0	00.0			100.0	

USAF ETAC $\frac{\ell_{\rm DEO}}{\rm rel}$ and 0+14-5 (OL A) merious editions of this form are obsolete

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CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD

73-82

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0500-1100

CEILING							VIS	BIGHY -51.	MW 31014	E S						
·FEET	≥10	≥6	≥ 5	E 1	> 1	≥2:	≥ 2	≥` :	≥1:.	١ ځ	≥ 4	2',	2	25 16		≥0
NO CEILING	64.7 73.5	64.7		64 • 7 73 • 5	64.7 73.5	64.7 73.5			64.7	64.7	64.7 73.5	64.7 73.5	64.7 73.5	64.7 73.5	64.7 73.5	64.7 73.5
≥ 18000 ≥ 16000	73.8 73.8	73.8 73.8	73.6 73.8	73.8 73.8	73.8 73.8	73.8 73.8	73.8 73.8	73.8 73.8	73.8 73.8	73.8	73.8	73.8 73.8	73.8	73.8 73.8	73.8 73.8	73.8 73.8
≥ 14000 ≥ 12000	74.6 76.5	74.6 76.5	2 3 7 2 1	74.6 76.5	74.6 76.5	74.6 76.5	74.6 76.5	74.6 76.5	74.6 76.5	74.6 76.5	74.6 76.5	74.6 76.5	74.6	74.6 76.5	74.6 76.5	74.6 76.5
≥ 10000 ≥ 9000	78.7 79.5	78.7 79.5		78.7 79.5	78.7 79.5	78.7 79.5	78.7 79.5	78.7 79.5	78.7 79.5	78.7 79.5	78.7 79.5	78.7 79.5	78.7 79.5	78.7 79.5	78.7 79.5	78.7 79.5
≥ 8000 ≥ 7000	81.2 82.7	81.2 82.7	81.2 82.7	81.2 82.7	81.2 82.7	81.2	81.2 82.7	81.2 82.7	81.2	81.2	81.2 82.7	81.2	81.2 82.7	81.2	81.2	81.2 82.7
≥ 6000 2 5000	83.5 84.9		83.5 85.1	83.5 85.1	83.5 85.1	83.5 85.1	83.5 85.1	83.5	83.5	83.5	83.5 85.1	83.5 85.1	83.5	83.5 85.1	83.5	83.5 85.1
≥ 4500 ≥ 4000	85.5 86.8	85.6 86.9	85.6 86.9	85.6 86.9	85.6 87.1	85.6	85.6 87.1	85 · 6 87 · 1	85.6	85.6 87.1	85.6	85.6	85.6 87.1	85.6 87.1	85.6 87.1	85.6
≥ 3500 ≥ 3000	87.3 89.0	87.4 89.1	87.4	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.5	87.6	87.6	87.6
≥ 2500 ≥ 2000	89.5 91.3	91.4	89.6 91.4	89.6 91.4	89.9 91.7	89.9 91.7	89.9 91.7	89.9 91.7	89.9 91.7	89.9 91.7	89.9 91.7	89.9	91.7	89.9 91.7	89.9 91.7	89.9 91.7
≥ 1800 ≥ 1500	91.3	91.4 93.0	93,0	91.4 93.0	91.7		93.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7 91.4	91.7	
≥ 1200 ≥ 1000	93.0 93.7		93.7 94.5	93.8			94.2		94.2	94.2	94.2 95.2	94.2	94.2 95.2		94.2	94.2 95.3
≥ 900 ≥ 800		94.7	94.8	94.9		95.8	95.8	95.9	95.5	95.5 95.9	95.5	95.5	95.6 96.0	96.0		95.7 96.1
≥ 700 ≥ 600	94.1	95.2	95.5	95.6	96.5	96.5 96.7		96.6	96.6	26.6	96.6	96.6	96.7	96.7	97.0	
2 500 2 400	94.4	95.8 95.8	95.9	96.2	97.1	97.2	97.2	97.6	97.4	97.7	97.4 98.0	98.0	98.2	98.2	97.7	98.4
≥ 300 ≥ 200		96.2	96.5			98.0	98.0		98.9	94.6	99.6	77.6	99.0	79.8	99.2	00.0
≥ 100 ≥ 0		96.3	96.5		,		98.0	1	- 1	99.2	99.6	99.6	99.8	- ,	00.01	

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC 101 04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

726625 ELLSHORTH AFB SD 73-82

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING					-		V15	IBIÇITY ST	ATUIE MIL	£5						
FEE1	≥10	≥6	≥ 5	≥ 4	≳ 3	22.	27	≥1 -	21.4	<u>.:</u> :	<u>.</u>	<u> </u>	2	≥ 5 16	? .	≥0
NO CERNO 20000	64.0 75.1	64.0 75.1	64.0	64.0 75.1	64.0 75.1	64.0 75.1	64.0 75.1	64.0 75.1	64.0 75.1	64.0	64.0 75.1	64.0	64.0	64.0 75.1	64.0 75.1	64.0
≥ 18000 ≥ 16000	75.2 75.4	75.2 75.4	75.2 75.4	75.2 75.4	75.2 75.4	75.2 75.4	75.2 75.4	75.2 75.4	75.4	75.2 75.4	75.2 75.4	75.2 75.4	75.2 75.4	75.2	75.2 75.4	75.2 75.4
≥ 14000 ≥ 12000	75.9 76.5	75.9 76.5	75.9 76.5	75.9 76.5	75.9 76.5	75.9	75.9 76.5	75.9	75.9	75.9	75.9 76.5	75.9 76.5	75.9	75.9	75.9	75.9
≟ 10000 ≥ 9000	79.0	79.0	79.0 79.5		79.0 79.5	79.0	79.0	79.0 79.5	79.0 79.5	79.0 79.5	79.0 79.5	79.0	79.0	79.0	79.0	79.0
≥ 8000 ≥ 7000	81.2	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 6000 ≥ 5000	82.8	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 4500 ≥ 4000	85.8 87.6	85.9	86.0	86.0 87.8	86.0	86.0	86.0 87.8	86.0	86.0	86.D	86.0	86.0	86.0	86.0	86.0	86.0
2 3500 2 3000	88.4	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 2500 ≥ 2000	91.2 91.5	91.4	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1800 ≥ 1500	91.6	91.8 93.0	91.9	92.0	92.0	92.0	92.0 93.4	92.0	92.0	92.D	92.0	92.0	92.0	92.0	92.0	
≥ 1200 ± 1000	92.5	93.2	93.4	93.5	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9		
2 900 4 800	93.0	93.8	94.2	94.4	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1 96.1
≥ 700 ≥ 600	94.2	95.3	95.7	96.0		97.0	97.1 97.6	97.2	97.2	97.2	97.2	97.2	97.2	97.2		97.2
≥ 500 ≥ 400	95.1 95.1	96.1	96.9	97.2	98.5	98.6	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	
≥ 300 ≥ 200	95.1 95.1	96.2	97.2	97.6	98.9	99.0	99.1	99.6	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9
> 100 i	95.1	96.2	97.3	97.7	99.0		99.2	99.7	99.7	99.7					00.0	

TOTAL NUMBER OF OBSERVATIONS ___

USAF ETAC 10104 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

726625

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ELLSWORTH AFB SD

73-82

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

· HING	1		-				V.c	Bitity St	ATUTE MIQ	15						
156.	≥10	≥6	≥ 5	24	≥3	≥2:	≥?	≥ì.	≥1.	≥1	24	₹·•	₹.	2516	2.	≥0
S LOUND S CEITING	62.5 73.3		62.5 73.3		62·5 73·3	62.5 73.3	62.5 73.3	62.5 73.3	62.5	62.5	62.5 73.3	62.5	62.5	62.5	62.5	62.5
≥ 18000 ≥ 16000	73.3 73.3	73.3	73.3 73.3	73.3 73.3	73.3 73.3	73.3 73.3	73.3 73.3	73.3 73.3	73.3 73.3	73.3 73.3	73.3 73.3	73.3	73.3 73.3	73.3	73.3	73.3 73.3
≥ 14000 ≥ 12000	74.7 76.1	74.7 76.1	74.7 76.1	74.7 76.1	74.7 76.1	74.7 76.1	74.7 76.1	74 • 7 76 • 1	74.7 76.1	74.7 76.1	74.7	74.7	74.7 76.1	74.7	74.7 76.1	74.7 76.1
≥ 10000 ≥ 9000	79.0 80.3	79.0	79.0	79.0 80.3	79.0 80.3	79.0 80.3	79.0 80.3	79.0 80.3	79.0	79.0 80.3	79.0	79.0 80.3	79.0 80.3	79.0 80.3	79.0 80.3	79.0 80.3
≥ 8000 ≥ 7000	82.8	82.9	82.9 83.3	82.9 83.3	82.9 83.3	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 5000 ⊇ 5000	84.6		84.7	84.7 85.9	84.7 85.9	84.7	84.7	84 • 7 85 • 9	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
.: 4500 .: 4000		86.7		86.7	86.7		86.7	86.7 88.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 3500 ≥ 3000	1	89.5			}		89.5 90.8			89.5 90.8	89.5 90.8	89.5 90.8	- : :		89.5 90.8	89.5
≥ 2500 ≥ 2000	91.3	91.6		91.6 92.3	91.6 92.3	91.6 92.3	91.6	91.6 92.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1800 ≥ 1500	92.0			+ .	92.4	92.4	92.4			92.4		92.4	92.4	92.4	92.4	92.4
≥ 1200 ≥ 1000	93.7 93.8	94.4	94.7		1		94.7 95.3	•		94.8	94.8	94.8	94.8	1	94.8	94.8
≥ 900 ≥ 800	94.1		95.3 95.6	95.4 95.7	95.5 95.9		95.8 96.2		95.8	95.9 96.3	95.9	95.9 96.3	95.9 96.3	95.9 96.3	95.9 26.3	95.9
≥ 700 ≥ 600		95.4			97.1	96.8		97.5	97.5	97.1	97.1	97.1	97.6	97.1 97.6	97.6	97.1 97.6
≥ 500 ≥ 400	94.4	96.2	96.6	97.5	98.0	98.2	98.0	98.8	98.9	98.5	98.5	78.5	99.5	98.5	99.5	98.6
≥ 300 ≥ 200	94.4	96.2	97.0 97.0		98.0		98,6		99.1	77.6	99.7	77.8	99.9	99.7	99.9	
ا 100 ج 2 0 ≤	- 1		97.0 97.0	1	98.0		98.6	99.0	99.1	99.6	99.8	77.8	;	99.9	99.91	

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD PERCENTAGE FREQUENCY OF OCCURRENCE

__________ 1800-2000

CFIUNG							VIS	Bitity St.	ATILTE MIL	FS]
+FE1	≥10	26	≥5	≥ 4	≥3	≥2.	± ?	2ì.	21.	١ ج	≥ '•	5.2	≥ .	≥ 5 16	2.	≥0
NO CHUNG	67.2 74.3	67.2 74.3	67.2	67.2 74.3	67.2 74.3	67.2	67.2 74.3	67.2	11.2	67.2 74.3	67.2 74.3	67.2	67.2	67.2 74.3	67.2	67.2
≥ 18000 ≥ 16000	74.3 74.3	74.3	74.3 74.3	74.3 74.3	74.3	74.3	74.3 74.3	74.3 74.3	74 • 3 74 • 3	74.3 74.3	74.3 74.3	74.3	74.3 74.3	74.3 74.3	74.3	74.3 74.3
≥ 14000 ≥ 12000	75.5 77.5	75.5 77.5	75.5 77.5	75.5 77.5	75.5	75.5 77.5	75.5 77.5	75.5 77.5	75.5 77.5	75.5 77.5	75.5 77.5	75.5 77.5	75.5 77.5	75.5 77.5	75.5 77.5	75.5 77.5
≥ '0000 2 ¥000	80.8 81.6	80.8	80.8 81.6	80.8	80.8	80.8	80.8	80.8	80.8		80.8	80.8	80.8	80.8	80.8	80.8
≥ 8000 ≥ 7000	84.3	84.3	84.3 85.5	84.3 85.5	84.3	84.3 85.5	84.3 85.5	84.3	84.3	84.3 85.5	84.3	84.3	84.3	84.3	84.3	84.3
± 6000 ± 5000	87.0	87.2 88.2	87.2	87.2 88.2	87.2	87.2 88.2	87.2	87.2	87.2	87.2	87.2 58.2	87.2	87.2	87.2	87.2	87.2
2. 4500 3. 4000	88.0	88.2	88.2 89.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
2 3500 2 3000	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 2500 ≥ 2000	92.2	92.6	92.7 93.1	92.7	92.7	92.7 93.1	92.7 93.1	92.7 93.1	92.7 93.1	92.7 93.1	92.7	92.7	92.7	92.7 93.1	92.7	92.7 93.1
≥ ±800 ≥ ±500	92.8	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1200 ± 1000	93.3	94.3	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 900 ≥ 800	94.2	95.7	95.8	95.8	96.0 96.6	96.0 96.6	96.0 96.6	96.0	96.0	96.0 96.6	96.0	96.0	96.0	96.0 94.6	96.0	96.0 96.6
≥ 700 ≥ 600	94.5	96.3	96.5	96.5	96.7	96.7 96.8	96.7	96.7	96.7	96.7 96.8	96.7	96.7	96.7	96.7	96.7	96.7
≥ 500 ≥ 400	94.5	96.7	96.8	96.8	97.1	97.1	97.2	97.2	97.2	97.2 97.8	97.4	97.6	97.6	97.6	97.6	97.6 98.5
2 300 ≥ 200	94.7	97.1	97.4	97.4	97.8	97.8	98.0	98.1	98.2 98.7	98.3	98.7	98.9	99.0	99.0	99.0	
≥ 100 ≥ 0	94.8	97.5	97.8	98.0 98.0	98.4	98.4	98.5	98.6	98.7		99.2	99.5	- 1	99.9		00.0

(FROM HOURLY OBSERVATIONS)

TOTAL NUMBER OF OBSERVATIONS ...

USAF ETAC 101.64 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD

73-82

<u>get</u>

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2190-5300

CHING							v15	IBILITY STA	ATUTE AND	ts		4		***************************************		
1 1563	210	≥6	≥5	≥ 4	ا رج	2.2	≥:	ا`ج	يا≲	≥1	≥.	٤,	2	25 16	÷ •	≥0
NO CEILING ≥ 20000	67.8 74.6		68 • 1 74 • 8			68.1 74.8		68.1 74.8			68.1 74.8		68.1		68.1 74.8	
≥ 18000 • 16000	74.6 74.6	74.7 74.7	74.8 74.8	74.8 74.8	74.8	74.8	74.8 74.8	74.8 74.8		74.8	. :	74.8	74.8	74.8 74.8	74.8 74.6	74.8 74.8
≥ 14000 ≥ 17000	75.5 76.8	75.6 76.9	75.7	75.7 77.0	75.7 77.0	75.7 77.0	75.7 77.0			75.7 77.0	1 - 1	75.7 77.0	75.7 77.0	75.7	75.7 77.0	
≥ 10000 ≥ 9000	79.8 80.3	79.9 80.4	80.0	80.5	80.0 80.5	80.0	80.0	80.5	80.5		80.5	80.0 80.5	80.5	80.5		80.5
≥ 8000 ≥ 7000 ≥ 6000	83.1	82.7		83.3	82.8	82.8	83.3	82.8	82.8	83.3	83.3	82.8	82.8	82.8	82.8	83.3
5 5000 2 4500	84.6		85 • 1 86 • 7 87 • 1	85.1 86.7 87.1	85.1 86.7 87.1	85.1 86.7 87.1	85.1 86.7 87.1	85.1 86.7 87.1	86.7	86.7	86.7 87.1	85.1 86.7 87.1	85.1 86.7 87.1	85.1 86.7 87.1	85.1 86.7 87.1	86.7
≥ 4000 ≥ 3500	87.8	88.2		88.3	88.3	84.3	88.3	88.3	90.0	88.3	88.3	90.0	86.3	44.3	88.3	88.3
≥ 3000 ≥ 2500	90.8 91.8			91.5	91.5	91.5	91.6	91.6	21.6		91.6	91.6	91.6	91.6	91.6	91.6
≥ 2000	92.5 92.7	93.2 93.4	93.5	93.3	93.3	93.3	93.4	93.4	93.4		93.4	93.4	93.4	93.4	93.4	
≥ 1500 ≥ 1200 ≥ 1000	93.5	94.4	94.6	94.5	94.5	94.6	94.7	94.8	94.8	94.7	94.8	94.7	94.7	94.8		94.8
≥ 900	93.9 94.1 94.1	94.9 95.5 95.5	95.6	95.1 95.6 95.6	95.6	95.6	95.8	95.3 95.8 95.9	95.8	95.8	95.8 95.9	95.3 95.8	95.8	95.8 95.9	;	95.8
≥ 700 ≥ 600		95.8 95.9	95.9 96.0	95.9 96.0	95.7 96.0 96.1	95.7 96.0 96.1	95.9 96.2 96.3		96.2 96.3	96.2	-	96.2	95.7 96.2	96.2	95.9 96.2 96.6	
≥ 500 ≥ 400	94.5	96.6	96.7	96.7	96.8	96.8	97.1	97.1		97.6		94.0	94.0	98.0	98.0	98.0
≥ 300 ≥ 700	94.6 94.7	96.9 97.4	97.0 97.5	97.1 97.7	97.2	97.2	97.7	97.7	· · · · j	98.3	1	98.6	99.6	98.6	98.6	98.6
≥ 100 ≥ 0	94.7	97.4		97.7 97.7	97.8	97.8	98.4		;	99.0	;	99.5	99.7		99.9	- ,

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 10.64 0-14-5 (OL.A.) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD TATION NAME

<u>ge</u>r___

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

(FILING)	(V15	IBILITY ST	ATUTE MILI	E 5						
FEET	≥10	≥ŏ	≥5	≥ 4	≥3	22:	≥ ?	ૂં :	≥1.	≥1	≥ '4	≥`.	≥ .	≥5.16	3.	≥0
2 20000	66.6 74.3	66.6		66.7		66.7		66.7			66.7	66.7	66.7	66.7 74.4	66.7 74.4	66.7
≥ 18000 ≥ 16000	74.4 74.4	74 • 4; 74 • 4	74 • 5 74 • 5	74.5 74.5	74.5 74.5	74.5 74.5	74.5 74.5		74.5 74.5	74.5	74.5 74.5	74.5	74.5 74.5	74.5 74.5	74.5 74.5	74.5 74.5
≥ 14000 ≥ 12000	75 • 1 76 • 5	75.2 76.5	75.2 76.6	75.3 76.6		75.3 76.6	75.3 76.7	75.3 76.7	75.3	75.3 76.7	75.3 76.7	75.3 76.7	75.3 76.7	75.3 76.7	75.3 76.7	75.3
≥ 10000 ≥ 9000	79.5	79.6	79.6	79.6	79.7 80.3	79.7	79.7	79.7 80.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7 80.3	
≥ 8000 ≥ 7000	81.9	82.1	82.1	82.2	_ T. T. T	82.2	82.2	82.2	82.2	-V	82.2	82.2	82.2	82.2	82.2	
≥ 6000 ≥ 5000	84.D	84.2	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84 . 4
≥ 4500 ≥ 4000	86.1	86.3	86.4	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	85.
2 3500 3 3000	88.8	89.1 90.5	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3 90.8	89.3 90.8	89.3
≥ 2500 ≥ 2000	91.1	91.6	91.7	91.7		91.9	91.9	91.9	91.9		91.9		91.9	91.9	91.9	
± 1800 ± 1500	92.1 93.1	92.6	92.8	92.8	92.9			93.0	93.0	93.0		93.0	93.0	92.8	93.0	93.0
≥ 1200 ≥ 1000	93.4	93.9	94.4	94.5	94.7	94.7	94.8	94.8	74.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8
2 900 2 800	93.7	94.9	95.2	94.9	95.5	95.6	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7 95.7	95.7	95.7
≥ 700 ≥ 600	93.9	95.2	95.8	95.5	96.4	95.9	96.5	96.5	76.6	96.6	96.1	96.6	96.6	96.1	96.6	96.6
± 500 ± 400	94.4	95.8	96.5	96.7	96.6	96.7	96.8	97.6	97.6	97.8	96.9	97.9	96.9	96.9	98.0	
2 30c ≥ 200	94.6	96.7	97.2	97.5	98.1	98.2	98.4	98.6	98.7	99.0	99.1	99.2	99.2		99.2	_ :
100	94.7	96.9	97.5	97.8	98.5	98.5	98.8	99.0		99.5	99.7	99.8	99.9	99.9		
	94.7	96.9	97.5	97.0	98.5	98.5	98.8	99.0	99.1	99.5	99.7	77.1	99.9	99.9	00.01	00.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 104 0+14-5 (QL A) MEYIOUS EDITIONS OF THIS FORM AND OBSOLETE

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD 73-82

XOX —

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

บนิ้อีซี-ด์รอบ

· EILING				man of any observe a de-			V15	1B1[17 51	ATUTE MIL	ES						
1551	≥10	≥6	≥ 5	<u>.</u> 4	≥3	≥2.	≥ 7	≥';	≥1.	2:1	2.4	≥ .	2	≥5 16	≥ .	≥0
NO CEIUNG ≥ 20000	61.6 65.2	62.0 65.7		62.0 65.7	62.1 65.8	62.1 65.8	62.1 65.8	62.1 65.8			62.1 65.8	62.1 65.8	62.2	62.2		62.3 66.0
≥ 18000 ≥ 16000	65.3 65.3	65.8 65.8	65.8 65.8	65.8 65.8	65.9 65.9	65.9 65.9	65.9 65.9	65.9 65.9		65.9 65.9	65.9 65.9	65.9 65.9	66.0 66.0	66.0 66.0		66.1
≥ 14900 ≥ 17000	66.2 67.7	66.7 68.1	66.7	66.7 68.1	66.8 68.2	66.8	66.8 68.2	66.8	66 · 8	56.8 68.2	66.8 68.2	66.8	66.9	66.9 68.3	68.3	68.4
≥ 9000 ≥ 9000	70.7 71.0	71.1	71.1	71.1 71.4	71.2 71.6	71.2	71.6	71.6	71.2 71.6	71.6	71.2 71.6	71.2	71.3	71.3 71.7	71.7	71.8
≥ 8000 ≥ 7000	74.1 74.8	74.7 75.4	75.4	74.7	74.8	74.8 <u>75.6</u>	74.8	74.8	75.6	75.6	75.6	75.6	74.9	74.9 75.7	75.7	75.8
≥ 6000 ≥ 500k1	75.4 77.7	76.1 78.3	76.1 78.3	76.1	76.2 78.6	76.2 78.6	76.2 78.6	76.2 78.6	78.6	78.6	76.2 78.6 79.3	76.2 78.6 79.3	76.3 78.7 79.4	76.3 78.7 79.4	78.7	78.8
≥ 4500 ≥ 4000	78.4 79.3 80.3	79.1 80.1 81.4	80.2	79.2 80.3	79.3 80.4	79.3 80.4 81.9	79.3 80.4 81.9	79.3 80.4 81.9	AQ.4 81.9	80.4	80.4 81.9	80.4	80.6 82.0	82.0	80.6	80.7
2 3000 ≥ 2500	81.2	82.6	82.8	83.0	83.1	83.1	83.1	63.1 85.6	85.6	83.1	83.1	83.1	85.7	85.7	83.2	83.3
≥ 2000 ≥ 1800	83.8 63.9	85.8	86.2	86.4	86.8	87.1	86.8	86.8	87.1	86.3	87.1	86.8 87.1	87.2	87.2	87.2	87.0 87.3
≥ 1500 ≥ 1200	84.4	86.8 87.4		87.4	87.8	87.8	87.9	87.9	87.9		88.1	88.8	88.2	88.9	88.2	89.0
· 900	85.4 85.8	87.8	88.6	88.9	88.9	88.9	89.4	89.2	89.2	89.4	89.4	89.4	89.6	89.6	89.9	1 1
± 800 ≥ 700 ≥ 600	85.8	88.6	89.0		87.7	89.7	89.9	90.1	90.1	90.3	90.7 90.7	90.7	90.8	90.8	90.8	
: 50° ≥ 40°	85.9 86.1	89.8		90.8	90.3 91.1 91.3	90.3 91.2 91.4			92.7 93.1	93.0	93.4	93.6	93.7	93.7	94.0	
2 300 2 200	86.3		91.4	92.0	92.6			94.3	94.6 95.0		95.6	95.7	95.8 97.3	95.8 97.3	96.2 97.8	96.4 98.8
• 100 • 6	86.3		91.6		92.8	92.9	93.8	94.7	95.0	96.1	96.8	97.1	97.4 97.4	97.4	98.8	99.8

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 2004 C+14+5 (Q)_ A) MEVIOUS EDITIONS OF THIS FORM ARE DISORDE

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD

Won

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500

CEIUNG							¥15	BILITY -ST	ATUTE MIL	E 5						
⊁RET.	≥ 10	≥6	≥5	≥ 4	≥3	≥2:	≥ 2	. ا`≤	≥1.⁴	≥ 1	≥ '•	≥ `•	≥ :	≥5 16	≥ .	20
NO CEILING ≥ 20000	62.6	62.9	63.D	63.0 68.3	63.0	63.0	63.0	63.0	63.0	63.D	63.1	63.1	63.1	63.1	63.2	63.2
≥ 18000 ≥ 16000	68 · 1 68 · 3	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.7	68.7	68.7	68.7	68.8 69.0	68.6
≥ 14000 ≟ 12000	68.7 69.3	69.0	69.1 69.8	69.1 69.8	69.1 69.8	69.1 69.8	69.1 69.8	69.1	69.1	69.1 69.8	69.2	69.2	69.2	69.2	69.3 70.0	69.
≥ 10006 ≥ 9000	71.9 72.0	72.2 72.3	72.3 72.4	72.3 72.4	72.3 72.4	72.3 72.4	72.3 72.4	72.3 72.4	72.3 72.4	72.3 72.4	72.4 72.6	72.4 72.6	72.4 72.6	72.4	72.6 72.7	72.5
2 8000 2 7000	74.7	75.0 75.7	75.8	75.1 75.8	75.1 75.8	75.1 75.8	75.1 75.8	75.1 75.8	75.1 75.8	75.8	75.2 75.9	75.2 75.9	75.9	75.2 75.9	75.3 76.0	76.0
≥ 6000 ± 5000	76.0 78.3	76.3 78.7	76.4 79.8	76.4	76.6 79.0	76.6	76.6 79.0	76.6 79.0	76.6 79.0		76.7 79.1	76.7 79.1	76.7	76.7 79.1	76.8	76.6
≥ 4500 ± 4000 ≥ 3500	80.7	79.8	79.9	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.2	80.2	80.2	80.2	80.3	80.
≥ 3000 ≥ 2500	81.0 82.4	83.0	83.2	83.2 85.1	81.8	81.8 83.4 85.3	83.4	83.4	83.4	83.4	83.6	83.6	83.6	81.9	83.7	82.0
£ 2000 ≥ 1800	84.1	85.1	85.8	85.8 86.2	86.0	86.0	85.3	86.0	86.0	86.0	86.1	86.1	86.1	86.1	86.2	86.3
≥ 1500	84.6	85.9	86.6	86.6	87.0	87.0	87.0	87.0 87.7	87.0	87.2		87.3	87.3	87.3	87.4	87.4
≥ 1000 ≥ 900	85.3	87.0	87.7	87.7	88.2	88.3	88.3	88.6	88.7	88.9	89.0	89.0	89.0	89.0	89.1	89.
≥ 800 ≥ 700	85.7	87.3	88.0	88.3	88.6	88.9	88.9	89.0	89.1	89.3	90.0	89.7 90.1	89.7 90.1	90.1	90.2	90.
≥ 600	86.6	88.7	89.7	90.0	89.6 90.7	89.6 90.7	91.1	90.6	90.7 92.0	91.0 92.6	91.3	91.4	91.4 93.2	91.4	91.6	93.4
≥ 300 ≥ 200	86.7	89.3	90.0	91.0	91.1	91.1	91.6	92.3	92.4	93.1	93.9	94.0	94.1	94.1	94.3	96.1
2 100 2 0		89.6	90.9				93.1	94.4	94.9	}		97.2 97.2	-		98.9 98.9	99.3

900 TOTAL NUMBER OF OBSERVATIONS_

USAF ETAC 1000 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE DISSOLETE

2 ` U

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD 73-82 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

Wox D600-3800

CEILING							VIS	18(Lift -51	ATUTE MIL	ES.						
FEET	≥10	≥6	≥ 5	≥4	د≤	27 :	27	≱`i.	≥1.	21	24	2 h	2.	≥5 16	2 4	ی≲
NO CEILING 20000	59.6 65.9	59.6 66.0	59.6 66.0	59.6 66.0	59 • 6 66 • D	59.6 66.0	59.6 66.0	59.6	59.6 66.0	59.7	59.7 66.1	59.7	59.7	59.7	59.9 66.3	59.9
⊴ 18000 € 16000	66.1	66.2	66.2 66.2	66.2 66.2	66.2	66.2	66.2 66.2	66.2	66.2	66.3 66.3	66.3 66.3	66.3	66.3 66.3	66.3	66.6 66.6	66.6
≥ 14000 ≥ 12000	66.2	66.3 67.9	66.3	66.3 67.9	66.3	66.3	66.3	66.3	66.3	66.4 68.D	66.4	66.4 68.0	66.4 68.0	66.4 68.0	66.7 68.2	66.7
≥ 10000 ≥ 9000	71.6	71.7 72.2	71.7	71.7	71.7	71.7	71.7 72.2	71.7 72.2	71.7	71.8	71.8 72.3	71.8	71.8	71.8	72.6	
≥ 8000 ≥ 7000	76.8 77.6	76.9 77.7	76.9	76.9 77.7	76.9 77.7	76.9 77.7	76.9 77.7	76.9 77.7	76.9 77.7	77.0 77.8	77.0 77.8	77.0	77.0 77.8	77.0 77.8	77.2 78.0	77.2 78.0
≥ 6000 ≥ 5000	77.8	77.9	77.9	77.9 79.9	77.9	77.9	77.9 79.9	77.9	77.9	78.0	78.0	78.0	78.0 80.1	78.0 80.1	78.2 80.3	78.2
≥ 4500 ≥ 4000	80.7		80.8	80.8 82.0	82.0	80.8	80.8	80.8 82.0	80.8	81.0	81.0	81.0	81.0	81.1	81.3	81.3
≥ 3500 ≥ 3000	81.9	82.1	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.7	82.7	82.7	82.7	82.8	83.0	83.0
≥ 2500 ≥ 2000	84.3	85.1 85.6	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.8	85.9	86.1	86.1	86.2	86.4	86.4
≥ 1800 ≥ 1500	84.6	85.7	86.1	86.2 87.0	86.2	8652	86.2	86.2	86.2	86.4	86.6	86.8	86.8	86,9	87.1	87.1
≥ 1206 ≥ 1000	85.2	86.7	87.3	87.4	87.4	87.4	87.4	87.4	87.6	87.9	88.0	88.2	88.2	88.3	88.5	64.6 90.0
≥ 900 ≥ 800	85.8	87.3	88.1	88.2	88.2	88.2	88.2	88.6	89.0	89.3	89.6	90.1	90.1	90.3	20.5	90.6
≥ 700 ≥ 600	86.6	88.3	89.2	89.6	89.9	89.9	90.0	90.6	91.0	91.4	91.8	92.3	92.4	92.7	72.9	
≥ 500 ≥ 400	86.7	88.8	89.7	90.0	90.3	90.3	90.4	91.0	91.7	92.3	92.8	93.3	93.4	03.7	93.9	
≥ 300 ≥ 200	86.9	89.9 90.0	90.8	91.1	91.7 92.1	91.7	91.8	92.6	93.4	94.3	95.4	96.0	96.2	96.3	96.6	96.6
÷ 100 = 0	86.9	90.0	91.0 91.0	91.4		92.3	1	93.6	94.6	95.4	96.6	97.3	97.8	98.3		

TOTAL NUMBER OF OBSERVATIONS ____

USAF ETAC 101 04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SO

73-82

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0500-1700

CEILING							VISI	BILITY STA	ATUTE MILI	E5						
1661	≥10	26	≥ 5	24	٠ ١	≥27	≥ 2	≥1	≥1.	ا ج	2 4	27.	2	25 16	<u> </u>	≥0
≥ 20000	57.6	58.0	58.0	56 3 th	58e1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 18000 ≥ 16000	66.6	67.1	67.1	67.1	67.4	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.3	67.3	67.3 67.6	67.3
≥ 14000 ≥ 12000	67.3	67.9 70.4	67.9 70.4	67.9	68.0 70.6	68.0 70.6	68.0 70.6	68.0	68.0 70.6	68.0 70.6	68.0 70.6	68.0 70.6	68 • 1 70 • 7	68.1 70.7	68.1 70.7	68.1
≥ 10000 ≥ 9000	73.1 73.9	73.7 74.4	73.8 74.6	73.8	73.9	73.9	73.9 74.7	73.9 74.7	73.9 74.7	73.9 74.7	73.9 74.7	73.9	74.0 74.8	74.0	74.0 74.8	74.6
≥ 8000 ≥ 7000	76.8 77.9	77.4 78.6	77.6	77.6 78.8	77.7 78.9	77.7 78.9	77.7 78.9	77.7 78.9	77.7 78.9	77.7	77.7 78.9	77.7 79.1	77.8 79.2	77.8	77.8	77.8
≥ 6000 ≥ 5000	78.2 79.4	78.9	79.0	79.1 80.4	79.2 80.6	79.2 80.7	79.2 80.7	79.2 80.8	79.2 80.8	79.2 80.6	79.2	79.4	79.6 81.1	79.6 81.2	79.7	79.7 81.3
≥ 4500 ≥ 4000	79.7	80.4	81.2	80.7	80.8	80.9 81.7	80.9	82.1	81.0	81.0	81.0 82.1	81.2	81.3	82.6	81.6	81.6
≥ 3500 ≥ 3000	80.8	81.9	82.1 83.0	82.2	83.6	82.7	82.8	83.1	83.1	84.2	83.1	83.3	83.4	83.6	83.7	83.7
≥ 2500 ≥ 2000	82.1	84.3	84.8	85.0	85.4	84.6	85.8	86.2	85.2	85.3	85.4	85.7	86.9	85.9 87.0	86.0	86.0
≥ 1800 ≥ 1500	82.7	84.9	85.3	85.8	85.7	86.6	87.0	57.6	87.6	86.7	87.9	87.0	87.1	87.2	87.3	87.3 88.7
≥ 1200 ≥ 1000	84.4	86.3	86.9	87.3	88.1	87.7	88.2	89.4	49.8	90.0	90.4	90.7	91.2	91.3	91.4	91.4
≥ 900 ≥ 800 ≥ 700	84.6	86.7	87.4	88.0	89.0	89.2	89.2	90.4	90.2	90.4	90.9	92.0	92.6	91.9	92.0	92.0
≥ 600 ≥ 500	85.3	87.D	87.6	89.3 90.1	90.4	90.7	90.0 91.4 92.2	90.8 92.4 93.3	93.0 93.9	91.8 93.4 94.3	92.2	94.2	94.8	93.2 94.9 96.1	95.0	93.3
≥ 400 ≥ 300	86.1	39.0	89.8	90.4	91.7	91.9	92.7	93.8	94.4	95.1 95.4	95.8 95.8	95.3 96.2 96.7	96.0 97.0 97.7	97.1 97.8	96.2 97.2 97.9	96.2 97.2 97.9
2 200	86.1	89.0	89.8	90.4	91.7	91.9	93.0	94.3	95.1 95.2	96.1 96.2	96.9	97.4	78.6	98.8	99.1	99.2
≥ 0	86.1	89.0	89.8	90.4	91.7	91.9	(94.4	95.2	96.2	97.0	97.7			-	00.0

USAF ETAC 15-180 0-14-5 (OL A) PRE-IOUS EDITIONS OF THIS FORM ARE ORSOLETE

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD

MOA-

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

***SOC EHUN' 58	.2 .4 .7 .8 .9 .3	59.0 66.8 67.0 67.2 68.3 70.7 74.4 75.9 78.3 79.6	67.1 67.3 68.4 70.8 74.6	66.9 67.1 67.3 68.4 70.8 74.6 76.0 78.4	66.9 67.1 67.3 68.4 70.8 74.6 76.0	59.0 66.9 67.1 67.3 68.4 70.8 74.6 76.0	59.0 66.9 67.1 67.3 68.4 70.8 74.6	66.9 67.1 67.3 68.4 70.8 74.6	59.0 66.9 67.1 67.3 68.4 70.8	59.0 66.9 67.1 67.3 68.4 70.8	59.0 66.9 67.1 67.3 68.4 70.8	59.0 66.9 67.1 67.3 68.4 70.8	59.0 66.9 67.1 67.3 68.4	59.0 66.9 67.1 67.3 68.4	59.0 46.9 67.1 67.3	67.1 67.1 68.4
20000 66 ≥ 18000 66 ⇒ 1400 67 ≥ 12000 70 ≥ 15000 75 ≥ 2000 77 ≥ 5000 80 ⇒ 4000 81 ≥ 3500 82 ≥ 3000 83 ≥ 2500 84 ≥ 2500 85 ≥ 1800 85	· 2 · 4 · 7 · 8 · 3 · 8 · 9 · 4 · 2	66.8 67.0 67.2 68.3 70.7 74.4 75.9 78.3 79.6	66.9 67.1 67.3 68.4 70.8 74.6 76.0 78.4 79.7	66.9 67.1 67.3 68.4 70.8 74.6 76.0 78.4	66.9 67.1 67.3 68.4 70.8 74.6 76.0	66.9 67.1 67.3 68.4 70.8 74.6 76.0	66.9 67.1 67.3 68.4 70.8	66.9 67.1 67.3 68.4 70.8 74.6	66.9 67.1 67.3 68.4	66.9	66.9 67.1 67.3 68.4	66.9 67.1 67.3 68.4	66.9 67.3 67.3	66.9 67.1 67.3 68.4	67.1 67.3 68.4	67.1 67.1 68.4
# 1400 66 1400 67 21200 70 ≥ 1000 73 ≥ 2000 75 ± 8000 77 ± 8000 79 ± 6000 80 ± 4000 80 ≥ 4000 81 ≥ 3000 83 ≥ 2500 84 ≥ 2000 85	.7	67.0 67.2 68.3 70.7 74.4 75.9 78.3 79.6	67.1 67.3 68.4 70.8 74.6 76.0 78.4 79.7	74.6 76.0 78.4 79.7	67.1 67.3 68.4 70.8 74.6 76.0	67.3 68.4 70.8 74.6 76.0	67.3 68.4 70.8 74.6	67.3 68.4 70.8 74.6	67.3	67.1 67.3 68.4 70.8	67.3	67.1 67.3 68.4 70.8	68.4	68.4	67.3	67.1 67.1
2 17000 70 2 1000 73 ≥ 9000 75 2 8000 77 2 7000 79 2 6000 80 1 4500 80 2 4000 81 ≥ 3500 82 ≥ 3000 83 ≥ 2500 84 ≥ 2000 85	.3	74.4 75.9 78.3 79.6 80.0	70.8 74.6 76.0 78.4 79.7	74.6 76.0 78.4 79.7	70.8 74.6 76.0 78.4	70.8 74.6 76.0	70.8 74.6	70.8		68.4 70.8	68.4	68.4 70.8	==		1	
≥ 9000 75 ≥ 8000 77 ≥ 7000 79 ≥ 6000 80 1 4500 80 ≥ 4000 81 ≥ 3500 82 ≥ 3000 83 ≥ 2500 84 ≥ 2000 85 ≥ 1800 85	.8	75.9 78.3 79.6 80.0	76.0 78.4 79.7	76.0 78.4 79.7	76.0 78.4	76.0			74.4					LUCE	70.8	
2 7000 79 2 6000 79 5000 80 1 4500 80 2 4000 81 ≥ 3500 82 ≥ 3000 83 ≥ 2500 84 ≥ 2000 85 ≥ 1800 85	.4		79.7	79.7	11.7.1	76.4		76.0	76.0	76.2	76.2	74.8	74.8 76.2	74.8 76.2	74.8 76.2	74.1
5000 80 1 4500 80 2 4000 81 ≥ 3500 82 ≥ 3000 83 ≥ 2500 84 ≥ 2000 85	.2		80.4			79.7	78.4 79.7	78.4 79.7	78.4 79.7	78.7 79.9	78.7 79.9	78.7 79.9	78.7 79.9	78.7	78.7 79.9	79.5
≥ 4000 81 ≥ 3500 82 ≥ 3000 83 ≥ 2500 84 ≥ 2000 85 ≥ 1800 85	. 5		51.3	81.3	80.4	80.6	80.6	80.6	80.6	80.8	80.8	81.0	81.0	81.0	81.9	Blas
≥ 3000 83 ≥ 2500 84 ≥ 2000 85 ≥ 1800 85	9	81.2 82.6 83.3	81.7	83.0	81.7	81.8	81.8	81.8	83.2	82.0	82.D	83.7	82.2	82.2	82.2	.83.
≥ 2000 85 ≥ 1800 85	. 8	84.4	85.0	85.0	85.0	84.0 85.2 86.0	85.2	84.0	84.0	85.4	85.4	85.7	85.7	85.7	85.8	85.
	•1	86.3	87.0	87.0 87.0	87.3	87.6 87.6	87.6 87.6	87.7	87.9 87.9	88.1	88.1	88.3	88.3	88.3	86.9 88.4	86.
	• 2	87.9	89.0	88.6	88.9	89.1 90.0	89.3 90.2	89.7	20.9	90.1	90.1	90.3	90.3	90.3	90.4	90.
≥ 1000 86	. 7	88.8	89.4	89.8	90.3	90.6	91.3	91.8 92.0	92.0	92.3	92.3	92.6	92.7	92.7	92.8	92.
		89.6	90.2	90.8	91.9	92.1	92.4			93.4	93.4	93.7	93.8	93.8	93.9	93.
. 500 88		90.6 91.0	91.6 92.0		92.8	93.4		95.2	94.8	95.4	95.4	75.7	95.8	95.8	95.9	95
301 88	.6	91.4	92.2	93.4		94.4	94.8	95.7		98.1	97.0	97.3	97.6	99.0		99.
, ign. 88		91.4	92.6 92.6	3	94.4	94.7	3	,	97.4	98.4 98.4	98.8	99.1	99.4		99.81	

900 TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 1976 4 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD

73-82

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

<u>1500-1700</u>

CEILING							VIS	BILITY ST	ATUTE MILI	ES						
-FEET-	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2∵	≥ ?	≥1.	≥1.	ا≨	≥ 14	≥`,	≥ ∵	≥5 16	≥ .	≥0
NO CEILING ≥ 20000	55.4 63.3	55.6 63.4	55.7 63.6	7 = 7 11	55.8	55.9 63.9	55.9	55.9	55.9	55.9	55.9 63.9	55.9	55.9	55.9 63.9	55.9 63.9	55.9
≥ 18000 ≥ 16000	64.1	64.2	64.3	64.3 64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 14000 £ 12000	66.1	66.2	66.3	66.3	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 10000 ≥ 9000	72.8	73.0	73.1	73.1	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 8000 ≥ 7000	76.6 77.8	76.9	77.0	77.0 78.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	
≥ 6000 ≥ 5000	78.9	79.2	79.4	79.4	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 4500 ≥ 4000	80.6	80.9	81.1	81.1	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 3500 ≥ 3000	83.2	83.8	84.2	84.3	84.7	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 2500 ≥ 2000	84.3	85.3	86.0	86.1	86.7 87.4	86.8	87.3	87.3 88.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1800 ≥ 1500	85.2	86.3	87.0	87.3	87.9	88.0	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 1200 ≥ 1000	86.0	88.0	88.8	89.3	90.1	90.2 91.4	91.0	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 900 ≥ 800	86.4 86.7 87.0	89.2	90.0	90.4	91.4	91.7	92.7	92.9	92.9	93.0	93.2	93.3	93.3	93.3	93.3	93.3
≥ 700 ≥ 600	87.1	90.0	90.8	91.6	91.8	92.8	93.9	94.1	94.2	94.6	94.8	94.9	95.0	95.0	95.0	93.8 95.0
≥ 500 ≥ 400	87.7	91.0	92.1	93.0	94.0	94.2	94.9	95.9	95.6 96.0	95.9	96.7	76.8	96.9	97.1	97.1	96.3
≥ 300 > 200	88.2	91.6	93.3	93.9	95.2	95.4	96.6	97.2	97.4	97.5	77.0	97.7	98.8	99.0	99.0	98.1
	88.2	91.7	93.3	94.2	95.2	95.4	96.6	97.2	97.6	98.1	98.6	78.9	99.6	99.7	99.7	
· i	58.2	71-7	91.3	94.2	95.2	95.4	96.6	97.2	97.6	98.1	98.6	98.9	99.6	99.8	99.91	00.0

TOTAL NUMBER OF OBSERVATIONS _________

USAF ETAC 1.64 0-14-5 O.E. A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SO

73-82

NOY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

CHONG	i						Vis	abitery St	ATUTE MIL	ES						
TEET	≥10	≥6	≥ 5	≥ 4	≥3	≥7:	2.7	≥i	≱1, I	_ ≥ '	≥ '₄	5,	≥ .	≥5 16	≥ .	≥0
NO CEILING. ≥ 20000	56.2 63.0			57.0 63.9	57.0 63.9	57.0 63.9	57.0 63.9	57.0	57.0	57.0	57.0 63.9	57.0 63.9	57.1	57.1	57.1	57.1
≥ 18000 ± 16000	63.4	63.7		64.0	64.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.1	64.1	64.1	64.
≥ 14000 ≥ 12000	65.0 67.8	65.6	65.7	65.9	65.9	65.9	55.9 68.7	65.9	65.9	65.9	65.9	65.9	66.0	66.0	66.0	66.0
≥ 10000 ≥ 9000	71.4 71.8	72.0	72.1	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.4	72.4	72.4	72.
≥ 8000 ≥ 7000	74.1 76.1	75.0	75.1 77.1	75.3	75.3 77.3	75.3	75.3	75.3 77.3	75.3	75.3	75.3	75.3	75.4	75.4	75.4	75.
2 6000 2 5000	77.7	78.6	78.7	78.9 80.1	78.9	78.9 80.1	78.9	78.9	78.9	78.9	78.9	78.9	79.0	79.0	79.0 80.3	79.
≥ 4500 ≥ 4000	79.0 80.2		80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.6	80.6	80.6	80.7	80.7	80.7	80.
≥ 3500 ≥ 3000	81.1	82.6	82.7	83.0 83.7	83.2	83.2	83.2	83.3	83.3	83.4	83.4	83.4	83.6	83.6	83.6	83.
≥ 2500 ≥ 2000	82.6	84.4	84.6	84.9	85.1	85.1	85.1	85.2	85.2	85.3	85.3	85.3	85.4	85.4	85.4	85. 86.
≥ 1800 ⊇ 1500	83.3	85.4	85.8	86.1 87.0	86.3	86.3	86.3	86.4	86.4	86.6	86.6	86.6	86.7	86.7	86.7	86.
≥ 1200 ≥ 1000	84.7	87.2	87.7	88.0 69.1	88.6	88.6	88.7	88.8	88.8	88.9	89.0	89.0	89.1	89.1	89.1	89.
900 ≥ 800	85.6 85.7	88.9	89.3	89.7	90.2	90.2	90.3	90.6	90.6	90.7	91.0	91.1	91.2	91.2	91.2	91.
≥ 700 ≥ 600		90.3	90.9			91.6	91.9	92.1	92.1	92.4	92.9	93.2	93.4	93.4	93.4	93.
≥ 500 ≥ 400		92.1	92.7	93.0	93.7	93.7	93.8	94.4	94.8	95.1	95.6	96.0	96.3	96.3	96.6	96. 97.
2 300 2 200	87.3 87.3	92.8	93.6 93.6	94.1	94.9	94.9	95.1 95.3	95.9 96.1	96.2	96.6	97.1 97.8	97.6	97.9	97.9	98.1	98.
: 100 2: 0	87.3	92.8		94.2	95.1 95.1	95.1	95.3	96.1	96.4	97.1	97.8	98.3	1	98.7	99.4	100.

TOTAL NUMBER OF OBSERVATIONS

41

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CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD 73-82

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

5100-5300 700

CEILING							VIS	BILITY ST	ATUTE MILE	ES.						
FEET-	≥10	≥ 6	≥ 5	≥ 4	≥ 3	≥2:	≥ 2	≥1.7	≥1.	≥1	≥ 14	2 1.	≥ :	≥ 5 16	ž .	≥ 0
NO CEILING ≥ 20000	58.7	59.1 64.6	59.1	59.1	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.4	59.4
≥ 18000 ≥ 16000	64.0 64.0	64.6	64.6	64.6	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.9	64.9
≥ 14000 ≥ 17000	65.1	65.7 67.0	65.7 67.0	65.7 67.0	65.9 67.2	65.9	65.9	65.9	65.9	65.9	65.9 67.2	65.9	65.9	65.9	66.0 67.3	66.0
≥ 10000 ≥ 9000	69.1	69.7 70.4	69.7	69.7 70.4	69.9 70.7	69.9	69.9	69.9 70.7	69.9	69.9	69.9 70.7	69.9	69.9	69.9	70.0 70.8	70.0
≥ 8000 ≥ 7000	72.9 74.4	73.8 75.3	73.8 75.3	73.8 75.3	74.0 75.6	74.0 75.6	74.0 75.6	74.0 75.6	74.5 75.6	74.0 75.6	74.0 75.6	74.0 75.6	74.0 75.6	74.0 75.6	74.1 75.7	74.1 75.7
≥ 6000 ≥ 5000	75.3 76.6	76.2 77.7	76.2 77.9	76.2 77.9	76.4 78.1	76.4	76.4	76.4 78.1	76.4	76.4	76.4 78.1	76.4	76.4 78.1	76.4	76.6 78.3	76.6
≥ 4500 ≥ 4000	77.1 78.6	78.2 79.7	78.4	78.4 60.0	78.8 80.4	78.8 80.4	78.8	78 - 8 80 - 4	78.8	78.8	78.8	78.8	78.8	78.8	79.0 80.7	79.0 80.7
≥ 3500 ≥ 3000	79.4 80.0	81.2	81.6	80.9	81.3	81.3	81.3	81.3 82.1	81.3	81.3	81.3 82.1	81.3	81.3 82.1	81.3	81.6	81.6 82.3
≥ 2500 ≥ 2000	81.4	82.8	83.1	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	84.1	84.1 85.8
≥ 1800 ≥ 1500	82.8	84.6	84.9	85.0	85.7	86.1	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.9	85.9
≥ 1200 ≥ 1000	84.4	86.3	86.7	86.9	87.1	87.1	87.3	88.2	87.4	87.4	88.6	87.6	87.6	87.6	68.8	87.8
≥ 900 ≥ 800 ≥ 700	84.7 84.8	87.2	87.6	87.8	38.8	88.8	89.0	89.2	89.3	89.6	87.8	89.9	89.9	89.9	90.1	90.7
≥ 700 ≥ 600	85.4	88.7	89.1	89.3	90.3	90.3 92.3	90.8	90.1 91.2 93.4	90.2	92.0	90.9	92.6	91.1 92.7 95.0	91.1 92.7	91.4	91.4 93.0
2 400 ≥ 300	86.2	90.6	91.3	91.6	92.6	92.9	93.4	94.1	94.7	95.0	95.4	95.6 97.0	95.0 95.7 97.3	95.0 95.7 97.3	95.3 96.0 97.7	95.3 96.0 97.7
≥ 200 ≥ 100	86.2	91.0	92.4	92.8	93.8	94.2	95.0	95.8	96.4	96.9	97.4	97.7	98.3	98.4	98.7	99.3
<u> </u>	86.2	91.0	92.6	92.9	93.9	94.3	95.1	95.9		97.0	97.6	97.8	98.4	98.4		00.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC TOTAL 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLE

CEILING VERSUS VISIBILITY

726625 ELL SWORTH AFB SD 73-82

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOUR LS.

CEILING							VIS	18, YTIJIBI	ATUTE MIL	ES.						
-FEET-	≥10	≥6	≥ 5	≥4	≳ 3	≥2 ?	≥ ?	≥in	≥114	≥1	≥ '₄	≥',	≥ ".	≥.5 16	≥ .	≥0
NO CEILING ≥ 20000	58 • 8 65 • 2	59.1 65.6	59.2	59.2 65.7	59.2 65.7	59.3 65.8	59.3 65.8	59.3	59.3 65.8	59.3	59.3	59.3 65.8	59.3	59.3	59.4	59.4
≥ 18000 ≥ 16000	65.5 65.6	65.9 66.0	65.9 66.1	66.0 66.1	66.0	66.1	66.1 66.2	66.1	66.1 66.2	66.1	66.2	66.1	66.1	66.1	66.2	66.
≥ 14000 ≥ 12000	66.6	67.0	67.0 69.0	67.0	67.1 69.2	67.1 69.2	67.1	67.1	67.1 69.2	67.2	67.2	67.2	67.2	67.2	67.3	67.
≥ 10000 ≥ 9000	71.8 72.5	72.2	72.3	72.3	72.4 73.1	72.4 73.1	72.4 73.1	72.4 73.1	72.4 73.1	72.5	72.5	72.5 73.1	72.5	72.5 73.2	72.6	72.0
≥ 8000 ≥ 7000	75.5 76.6	76.0 77.2	76 • 1 77 • 2	76.1 77.3	76.2 77.4	76.2 77.4	76.2 77.4	76.2	76.2 77.4	76.2	76.3 77.9	76.3 77.5	76.3 77.5	76.3 77.5	76.3	76. 77.
≥ 6000 ≥ 5000	77.3 78.9	77.9	78.0 79.7	78.1 79.7	78.2 79.8	78.2 79.9	78.2 79.9	78.2	78.2 79.9	78.2	78.3	78.3	78.3 80.1	78.3	78.4	78.
≥ 4500 ≥ 4000	79.4 80.6	80.1	80.2	80.3	80.4	80.4	80.4	80.5	80.5	80.5	80.5	80.6	80.6	80.7	80.8	80.
≥ 3500 ≥ 3000	81.3	82.1	82.4	82.5	82.7	82.8	82.8	82.8	82.8 84.0	82.9	82.9	83.0	83.0	83.1	83.2	83.
≥ 2500 ≥ 2000	83.2 83.8	84.5	84.9	85.0 86.0	85.3	85.3	85.4	85.5	85.6	85.6	85.7	85.8	85.8	85.8	85.9 87.0	85.
≥ 1800 ≥ 1500	84.0 84.5	85.6	86.1	86.2	86.6	86.6	86.7	86.8	86.8	86.9	87.0	87.1	87.1	87.1	87.2	87.
≥ 1200 ≥ 1000	85.1 85.4	87.0 87.6	87.6	87.8	88.3	88.4	88.6	88.8	88.9	89.0 90.1	89.1 90.3	89.2	89.3 90.5	89.3	89.4 90.6	89.4 90.
≥ 900 ≥ 800	85.6	87.8	88.4	88.8	89.3	89.4	89.8	90.1 90.6	90.3	90.5	90.7	90.9	91.0	91.0	91.1 91.8	91.
≥ 700 ≥ 600	86.1	88.7	90.4	89.8 90.5	90.4	90.5	90.9	91.3 92.5	91.5	91.9	92.2	92.4	92.6	92.7	92.8	92.
.: 500 ≥ 400	86.8	90.1	90.8 91.3	91.3	92.6	92.2	92.7	93.5	93.8	94.3	94.7	94.9	95.2	95.2	95.4	95. 96.
2 300 2 700	87.0 87.0	90.7	91.8	92.3	93.2	93.4	94.0	94.9	95.4	96.0 96.7	96.7	97.0	97.3	97.4	97.6	97.
3 100	87.0	90.7	91.9	92.6	93.5	93.7		95.4	96.0	76.8	97.5	97.9	98.5	98.7	99.3	99.0

TOTAL NUMBER OF OBSERVATIONS 7200

USAF ETAC 100 04 0+14-5 (OL A) PREVIOUS SOFTIONS OF THIS FORM ARE DESOLETE

2

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CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD

73-82

DEC.

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200

CEILING							vis	BILITY ST	ATUTE MIL	E5						
FEET	≥10	≥ 6	≥ 5	≥ 4	≥ 3	2.2";	≥ ?	≥ì,	≥1.	≥1	3.4	≥ ′•	≥ :	≥5 16	<u> </u>	≥0
NO CEILING ≥ 20000	62.0	63.1 67.5	63.1 67.5	63.1	63.1 67.5	63.1	63.3 67.7	63.3 67.7	63.3	63.4	63.4	63.4	63.4	63.4	63.6	63.6 68.0
≥ 18000 ≥ 16000	66.5	67.6	67.6	67.6 67.6	67.6	67.6	67.8	67.8 67.8	67.8	67.9 67.9	67.9 67.9	67.9 67.9	67.9	67.9	68.1	66.1
≥ 14000 ≥ 12000	67.1 68.7	68.1 69.8	68.1 69.8	68.1 69.8	69.8	68.1	68.4 70.0	68.4 70.0	68.4 70.0	68.5 70.1	68.5 70.1	68.5 70.1	68.5	68.5 70.1	68.7	68.7 70.3
≥ 10000 ≥ 9000	71.2 71.6	72.2	72.2 72.7	72.2 72.7	72.2 72.7	72.7	72.4 72.9	72.4 72.9	72.4	72.6 73.0	72.6 73.0	72.6	72.6	72.6 73.0	72.8	72.8 73.2
≥ 8000 ≥ 7000	73.8	74.9	74.9 75.6	75.0 75.7	75.7	75.0 75.7	75.2 75.9	75.2 75.9	75.2 75.9	75.3 76.0	75.3 76.0	75.3	75.3 76.0	75.3 76.0	75.6	75.6 76.2
≥ 6000 ≥ 5000	76.1	77.2	77.2	77.3	77.3	77.3	77.5 79.5	77.5 79.5	77.5	77.6	77.6	77.6 79.7	77.6 79.7	77.6	77.8	79.9
≥ 4500 ± 4000 ≥ 3500	78.0	79.3 80.9	79.3 80.9	79.4 81.1	79.4 81.1	79.4 8 .1	79.7 81.3	79.7 81.3 82.1	79.7 81.3 82.1	79.8	79.8	81.4	79.8 81.4 82.2	79.8 81.4 82.2	80.0 81.6 82.5	81.6
± 3000 ± 2500	81.3	83.2	83.2	83.4	83.4	83.4	83.6	83.6 85.0	83.6	83.7	83.7	81.7	83.7	83.7	84.0	84.D 85.4
≥ 2000 ≥ 1800	83.1	85.8	85.9	86.7	86.7	86.7	86.9	86.9	86.9	87.0 87.1	87.0	87.0	87.0	87.0	87.2	87.2
≥ 1500 ≥ 1200	83.7	86.6	87.0	87.8	87.8	87.8	88.7	88.8	88.3	88.5	89.2	88.5	89.2	89.2	89.5	88.7
≥ 1000 ≥ 900	84.7	87.9	88.4	89.2	89.2	89.2	89.7	90.1 90.3	90.2	90.5	90.6	90.6	90.6	90.6	90.9	90.9
≥ 800 ≥ 700	85.3	88.6	89.1	90.5	90.0	90.0	90.4	91.0 91.5	91.1 91.6	91.7 92.4	92.5	92.5	91.8	91.8	92.7	92.7
≥ 600 ≥ 500	85.8	90.1	90.6	91.7	91.9	91.9	91.8	93.0	92.5 93.1	93.2	93.3	93.3	93.3	93.3	93.5	94.7
≥ 400 ≥ 300 ≥ 200	86.5	90.9	91.6	91.8	93.2	92.1	93.8	94.6	93.3	95.7	95.9	74.5	96.1	94.7	94.9	95.3
> 100 > 0	86.5	90.9	91.6 91.6	92.7 92.8 92.8	93.2 93.4 93.4	93.3 93.5 93.5	93.9 94.2 94.2	94.7 95.0 95.0	95.0 95.4	96.2	96.8	97.0	97.8	98.2	98.2 99.2	98.5

TOTAL NUMBER OF OBSERVATIONS 92

USAF ETAC NOT NOT NOT THE PORM ARE OBSOLETE

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CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD 73-82

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

១300-0500

CEILING							VIS	BILITY 51	ATUTE MIL	£5						
FEET	≥10	≥ 6	≥ 5	≥ 4	23	≥2.₁	≥ 7	راج	<u>3</u> 1.	21	≵ ′4	2 %	2 /	25 16	≥ .	≥0
NO CEILING ≥ 20000	63.9	64.4	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.6	64.7	64.7 68.0	64.7	64.7	64.7	64.7
≥ 18000 ≥ 16000	67.1	67.6	67.6	67.6 67.6	67.7	67.7	67.7	67.7	67.7	67.8	68.0	68.0	68.0	68.0	68.0	68.D
≥ 14000 ≥ 17000	67.5	68.1	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.3	68.4	68.4	68.4	68.4	68.4	69.0
≥ 10000 ≥ 9000	71.5	72.0	72.0	72.0	72.2	72.2	72.2	72.2	72.2	72.3	72.4	72.4	72.4	72.4	72.4	72.4
≥ 8000 ≥ 7000	74.2	74.7	74.7	74.7	74.8	74.8	74 . 8	74.8	74.8	74.9	75.1	75.1	75.1	75.1	75.1	75.1 75.9
≥ 6000 ≥ 5000	76.6 78.0	77.2	77.2	77.3	77.4	77.4	77.5	77.5	77.5	77.6	77.7	77.7	77.7	77.7	77.7	77.7
≥ 4500 ≥ 4000	78.0	78.6	78.6	78.7	78.8	78.8	78.9 80.6	78.9	78.9	79.0	79.1	79.1	79.1	79.1	79.1	79.1
≥ 3500 ≥ 3000	80.0	81.1	81.1	81.2	81.3	81.3	81.4	81.4	81.4	81.5	81.6	81.6	81.6	81.6	81.6	81.6
≥ 7500 ≥ 2000	82.3	83.7	83.8	84.0	84.3	84.3	84.4	84.4	84.4	84.5	84.6	84.6	84.6	84.6	84.6	84.6
≥ 1800 ≥ 1500	84.3	85.8	86.2	86.5	86.8	86.8	86.8	86.9	86.9	87.0	87.1	87.1	87.1	87.1	87.1	87.0
≥ 1200 ≥ 1000	85.2	87.0	87.5	87.7	88.3	88.5	89.0	89.0	89.0	89.4	89.5	89.5	89.5	89.5	89.5	89.5
≥ 900 ≥ 800	85.4	87.3	87.8	88.1	88.6	88.8	89.4	89.4	89.5	89.9	90.1	90.1	90.1	90.1	90.1	90.1
≥ 700 ≥ 600	85.8	88.1	88.6	88.8	89.4	89.6	90.1	90.1	90.2	90.2	91.0	91.0	91.1	91.1	91.1	90.6
≥ 500 ≥ 400	86.3	88.9	89.6	90.2	90.5	90.8	91.9	92.0	92.2	92.7	93.0	93.0	93.2	93.2	93.2	93.7
≥ 300 ≥ 200	87.3	90.4	90.8	92.2	93.0	93.2	93.1	94.2	74.6	75.6	75.9	77.0	96.3	96.3	96.6	95.4
2 100 2 0	87.3 87.3 87.3	90.4	91.3 91.3 91.3	92.2 92.2	93.5 93.5	93.5 93.9 93.9	94.7	94.9	95.5	96.7	96.7	97.1	98.1	77.6	98.6	98.7 99.7

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ជទីជីបី-ប៉ទ១០

CEILING							Vi5	IBILITY ST	ATUTE MIL	ES						
FEET.	≥10	≥6	≥ 5	≥4	23	≥2.	22	≥'n;	≥1.	۱ ≨	≥ '4	٠, خ	≥ .	≥5 16	2.	≥0
F 50000	56.2 62.2	56.9	57.2 63.1	57.2 63.1	57.3 63.2	57.3 63.2	57.4 63.3	57.4	57.4	57.4 63.3	57.4 63.3	57.4	57.4	57.5	57.5	57.5
≥ 18000 ≥ 16000	62.3 62.3	62.9	63.2 63.2	63.2 63.2	63.3	63.3 63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.5	63.5 63.5	63.5
≥ 14000 ≥ 12000	62.8	63.4	63.8 65.2	63.8 65.2	63.9	63.9 65.4	64.0	64.0	64 - 0 65 - 5	64.0 65.5	64.0 65.5	64.0	64.0	64.1	64.1	64.1
≥ 10000 ≥ 9 000	68.4	69.2		69.6 70.3	69.8 70.5	69.8	69.9 70.6	70.0	70.0	70.0 70.8	70.0 70.8	70.0	70.0	70.1 70.2	70.1 70.9	70.1
≥ 8000 ≥ 7000	72.2 73.3	73.1 74.3	73.4 74.5	73.4 74.6	73.7 74.8	73.7 74.8	73.8	73.9 75.1	73.9 75.1	73.9 75.1	73.9 75.1	73.9 75.1	73.9 75.1	74.0 75.2	74.0 75.2	
≥ 6000 ≥ 5000	74.6 77.5	75.6 78.8	75.9 79.1	75.9 79.1	76.1	76.1 79.4	76.2 79.5	76.3 79.6	76.3 79.6	76.3 79.6	76.3 79.6	76.3 79.6	76.3	76.5 79.7	76.5	76.5
≥ 4500 ≥ 4000	77.5 79.9	78.8	79.1	79.1 81.6	79.4	79.4	79.5	79.6	79.6	79.6 82.0	79.6 82.0	79.6	79.6	79.7	79.7 82.2	79.7
2 3500 ≥ 3000	80.8	82.2	\$2.6 \$3.5	82.6	82.8	82.8	82.9	83.D	83.0 84.1	83.0	83.0 84.1	83.0	84.1	83.1	83.1	83.1
≥ 2500 ≥ 2000	83.3	84.8	85.3 86.8	85.3 87.1	85.7 87.5	85.7	85.8	85.9	85.9	85.9 88.0	85.9 88.0	85.9	85.9 88.0	86.0	86.0	86.0
≥ 1800 ∴ 1500	84.4	86.5	86.9 87.0	87.2 87.3	87.7	87.7	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.5	88.7	88.5
≥ 1200 ≥ 1000	84.9 85.1	87.0	87.4 87.6	87.8	88.4	88.5	88.9	89.2	89.2	89.2	89.4	89.4	89.4	89.5	89.6	89.6
≥ 900 ≥ 800	85.7	88.0	88.5	89.1	89.7	89.8	90.2 91.0	90.5 91.4	90.5	90.5	90.6	90.8	90.8	90.9	91.0	91.0
≥ 700 ≥ 600	86.3 86.5	88.8	89.4	90.1 90.6	90.6	90.8 91.3	91.2	91.7	91.8	92.0 92.7	92.2	92.3	92.5	92.6	92.7	92.8
≥ 500 ≥ 400	87.0 87.1	90.0	90.5 91.2	91.4 92.2	91.9 92.7	92.0 92.8	92.6	93.3	93.4	94.1	94.2	94.3	94.6	94.7	95.2 96.1	95.6 96.7
≥ 300 ≥ 200	- 1	90.9	91.7 91.7	92.8 92.8	93.4 93.4	93.7 93.7	94.4	95.2 95.4	95.3 95.5	96.1	96.2 96.7	96.3	96.9	97.1	97.7	98.3 99.6
≥ 100 ≥ 0		90.9	91.7	92.8	93.5	93.8	94.5	95.5 95.5		96.7		96.9	97.5	97.8	99.2	

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD

73-82

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

บรับชี-1700

CHUNG								IBLATY STA	ATUTE MIL							
FEET :	≥10	≥6	≥ 5	≥ 4	- 3	2,	2.7	æ\ ,	≥1,	21	≥ '4	≥ .	≥ .	P 5 16	2.	≥0
NO CEILING 2 20000	53.2 62.2		54,1	54.1	14.3	54.4	54.4	54.7	54.7	54.7	54.7 63.9	54.7	54.7	54.7	54.7	54 • 7 63 • 9
≥ 18000 ≥ 16000	62.9 62.9	63.7 63.7	64.D	64.0	64.2	64 3	54,3	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 14000 ≥ 12000	63.9 65.9	64.6	64.9	67.0	65.7 67.2	65.	67.3	67.6	67.6	65.6	65.0 67.6	65.6	65.6	63.6	65.6	65.6
≥ 10000 ≥ 9000	70 • 1 70 • 4	70.9 71.4	71.2 71.7	71.2 71.7	71.4 71.9	71.5 72.0	71.5 72.0	71.8	71.8	71.8	71.8	71.8	71.6	75.8	71.8	71.8
≥ 8000 ≥ 7000	73.8 75.9	74.8 77.0	75.2 77.3	75.2 77.3	75.4 77.5	75.5 77.6	75.5 77.7	75.8	75.8 78.1	75.8	75.8 78.1	75.21	75.8	75.8 78.1	75.8 78.1	75 · 8 78 · 1
≥ 6000 ≥ 50(k)	77.3 79.4	78.5 80.5	78.8 81.0	78.9 51.1	79.2 81.5	79.4	79.5 81.7	79.8 82.0	79.8 82.0	79.8 82.0	79.8 82.0	79.8	79.8	79.8	79.8 82.0	79.8 82.0
≥ 4500 ≥ 4000	79.8 81.6	81.0	81.4	81.5	81.9	82.0 84.2	82.2	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 3500 ≥ 3000	81.9 83.0	83.1	33.8 84.9	85.4	85.9	84.5 86.0	84.6	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 2500 ≥ 2000	83.8	86.3	86.1	86.6 87.7	87.1	87.2	87.4	87.7	87.7	87.7	87.7	87.8	87.8	87.8		89.1
≥ 1800 ≥ 1500	84.5	86.3	87.0	87.7	88.3	89.4	89.8	90-1	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.3
≥ 1200 ≥ 1000	85.5	88.0	89.0	90.0	90.2	90.3	90.8	91.2	91.2	91.2	91.2	91.3	91.3		91.3	
≥ 900 ≥ 800	85.6	89.2	89.9	90.1	90.8	90.9	91.5	92.3	92.4	93.5	92.5	93.9	94.0	92.7	94.0	92.9 94.5
≥ 700 ≥ 600	86.1 86.3	89.8 90.2	90.5	91.1 91.6 92.2	91.8 92.4 93.0	91.9 92.6 93.2	92.8 93.4 94.2	93.9	94.9	95.2	95.3	95.5	95.6	95.6	94.6 95.7 96.8	95.3 96.5 97.5
≥ 400 ≥ 300	86.8	90.2	91.1	92.2	93.0	93.2	94.3	98.8	95.9	76.2	96.5	96.8 97.1	97.1	97.1	96.8 97.5 98.1	
200 ع الان م	86.8	90.3	91.2	92.5		93.7	94.7	96.3	96.5	76.8	97.2	97.5	97.8	78.1	98.8	99.7
≥ 0	86.5	. = - 11	91.2	92.5	93.4	93.7	94.8	96.3	96.5	96.9	97.4	97.7	90.2	98.4	F	00.0

TOTAL NUMBER OF OSSERVATIONS ___

USAF ETAC 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

726625

ELLSWORTH AFB SD

73-82

DEC ...

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING							VI\$	IBILITY ST	ATU!E MIL	ES						
-FEE1-	≥.10	≥ 6	≥ 5	≥ 4	≥ 3	≥2:	27	≥ì	≥١,	2≥1	ž.	· .	≥ ·	≥5 16		≥0
NO CHUNG ≥ 20000	51.9 63.3	52.4 63.8	,	52.4 63.8	52.4 63.8	52.4 63.8	52.4 63.8	52.4 63.8	52.4 63.8	52.5 63.9	52.5 63.9	52.5 63.9	52.5 63.9	52.5 63.9	52.5 63.9	52.5 63.9
≥ 18000 ≥ 18000	64.9 65.2	65.4 65.6	65.4 65.6	65.4 65.6	65.4	65.4 65.6	65.4	65.4	65.4 65.6	65.5 65.7	65.5 65.7	65.5	65.5 65.7	65.5 65.7	65.5 65.7	65.5 65.7
≥ 14000 ≥ 12000	66.7	67.1	67.1 70.3	67.1 70.3	67.1	67.1	67.1 70.3	67.1 70.3	67.1 70.3	67.2 70.4	67.2	67.2 70.4	67.2 70.4	67.Z 70.4	67.2 70.4	67.2 70.4
<u>.3</u> 10000 ≥ 9000	73.7 73.9	74.1	74 • 1 74 • 3	74.1	74.1	74.1	74.1 74.3	74.2	74.2 74.4	74.3	74.3 74.5	74.3 74.5	74.3 79.5	74.3 74.5	74.3	74.3
≥ 8000 ≥ 7000	76.5 78.4	77.4	77.6 79.6	77.6	77.6 79.6	77.6	77.6 79.6	77.7	77.7 79.7	77.8 79.9	77.8 79.9	77.8	77.8 79.9	77.8	77.5 79.9	77.8
≥ 6000 ± 5000	80.0	81.0 82.6	81.2	81.2	81.2	81.2	81.2	81.3	81.3	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 4500 ≥ 4000	81.7	82.8	83.0	83.0	83.0	83.0	83.0	83.1	83.1 86.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3
2 3500 2 3000	85.1	86.2	86.5	86.5	86.5	86.5	86.5	86.6	86.6	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 2500 ≥ 2000	86.2	88.0	88.2	88.4	88.5	88.5	88.7	88.9	88.9 90.5	89.1	89.1	89.1	89.1	89.1	:	89.1
≥ 1800 ≥ 1500	87.0	89.4	89.6	89.9	90.0	90.0	90.3	90.6	90.6	90.9	90.9	90.9	91.0	91.0		91.0
≥ 1000 ≥ 1000	88.0	90.3	90.5	90.9	91.1	91.1	91.6	92.2	92.2	92.5	92.6	92.5	92.7	92.7	92.7	92.7
900 2 800	88.1	90.9	91.1	91.7	91.9	92.0	92.6	93.5	93.7	94.1	94.3	94.3	94.4	94.4	94.4	94.4
2 700 2 600	88.5	91.8	92.2	92.8	93.2	93.3	93.9	94.9	95.1	95.7 96.0	95.9	95.9	96.1	96.1	96.1	96.9
± 500 ≥ 400	88.6	92.0	92.4	93.0	93.5	93.7	94.2	95.3	95.4	96.1	96.5	96.6 97.3	96.8 97.6	96.8	96.8	97.6
± 300 ≥ 700	58.6	92.2	92.6	93.4	94.1	94.2	94.7	75.9	96.1	97.1	97.4	97.6	98.1	78.1		99.0
100	88.6	92.2	92.6 92.6	93.5	94.3	94.4	94.9	76.1	96.3	97.4 97.4	97.8	78.1	98.6	78.6 98.6	T	00.0

TOTAL NUMBER OF OBSERVATIONS 930

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CHING	:						V15	iBitit+ St	ATUTE MIL	E5						
FEET	≥10	≥6	≥ 5	2.4	23	≥2.	27	'ج	≥'.	<u>2</u> 1	≥ 4	21,	<u>.</u>	≥5 16	2.	د د
5 SOORD NO CEITING	53.9 63.8		54.3 64.3		54.4 64.4	54.4			54.4 64.4				54.4	54.4	54.4	54.4
≥ 18000 ≥ 18000	64.4 64.7	64.7 65.0		64.9 65.2	64.9 65.2	64.9 65.2	64.9		64.9 65.2			1	64.9 65.2	64.9 65.2	64.9	65.0
5 14000 ≥ 12000	66.1 70.2	70.6	70.7	70.8	66.6 70.8	66.6 70.8	66.6 70.8	66.6	:	66.6 70.8		66.6	66 • 6 70 • 8	66.6 70.8	66.6 70.8	66.7
± 9000 ≥ 9000	74.7		75.2	75.6	74.8 75.6	74.8 75.6	75.6	75.6	74.8 75.6	75.6	75.6	74.8 75.6	74 • 8 75 • 6	74.8 75.6	74.8 75.6	74.9 75.7
≥ 80×00 ≥ 2000	78.4 80.3	80.9	81.1	79.4 81.4	79.4	79.4		81.4	81.4	81.4	81.4	79.4 81.4	79.4	79.4	79.4 #1.4	79.5 81.5
* 400X,	81.2	83.0	83.2		83.9	83.9	84.0	84.0	84.0	82.2	82.2 84.0	82.2		82.2		84.1
2 4000 2 3500	82.6 83.7 85.1	83.4	84,9	84.3		85.6	85.7	,	85.7	85.7	85.7	84.4	85.7	84.4		
2 3000 ≥ 2500	85.7 86.2	86.7 87.5 88.1	87.8	88.5	88.6	88.6	88.9	89.5	89.0			87.8 89.0		89.0	87.8 89.D	87.9
≥ 2000 ≥ 1800	87.1	89.2	89.9	91.0	91.1		91.4	91.5	91.5	91.6	91.6 91.7	91.6	89.9 91.6 91.7	91.6	91.6	90.0 91.7 91.8
2 1500 2 1200	87.3	89.6		91.4		91.6	91.9		92.0	92.1	92.1	92.1	92.1	:	92.1	92.2
≥ 1000	87.8	90.5 90.7	91.3	92.4	92,6	92.6	92.9	93.0	93.1	93.3	93.3	93.4	93.4	93.4	23.9	93.5
≥ 800 ≥ 700	88.2	91.0	91.8	92.9	93.1			94.4	93.6	94.0	94.0	94.3	94.4	94.4	24.5	94.8
2 500	88.2	91.2		93.9	94.1	94.2	94.5	- 1		95.5 95.5	95.5 75.5		(95.9 96.1	96.0	96.8 97.0
2 400	88.4		92.7		. ,	94.9	95.3		95.6		9. ,6	96.4	97.4	97.5	97.0	98.7
100	88.5		93.0	94.5	94.8	94.9	95.3	95.5	95.6	96.4	96.7	97.3	97.8	98.2	98.2	20.0
	88.5	91.5	93.0	94.5	94.8	94.9	95.3	95.5	95.6	96.4	96.7	77.3	97.8	94.2	20.71	20.0

TOTAL NUMBER OF DESERVATIONS_

USAF ETAC - 1. AL - 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD

73-82

ACM'N

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-5000

CEILING							VI51	BILITY ST.	A)UIE MILI	ES						
FEE1	≥10	≥6	≥ 5	≥ 4	≥3	≥2:	3.7	≱ĥ∿	≥1.	≥1	≥ 14	۰, بج	≥ .	≥5 16	2.	≥0
NO CERUNG 2 20000	54.8 63.3	55.4 64.0		55.8 64.5	55.9 64.6	55.9	55.9	55.9 64.6	55.9 64.6	55.9 64.6	55.9	55.9	55.9 64.6	55.9 64.6	56.0 64.7	56.0 64.7
≥ 18000 ≥ 15000	63.6 63.6	64.4	64.7	64.8 64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	65.0 65.0	65.0 65.0
≥ 14000 ≥ 12000	63.9 67.0	64.7 68.0	65.0 68.4	65.1 68.5	65.2 68.6	65.2	65.2	65.2 68.6	65.2 68.6	65.2 68.6	65.2 68.6	65.2	65.2 68.6	65.2	65.3	65.3 68.7
3 10000 3 10000	70.7 71.5	71.8 72.6	72.1 72.9	72.2 73.0	72.4 73.1	72.4	72.4	72.4 73.1	72.4 73.1	72.4	72.4 73.1	72.4	72.4 73.1	72.4 73.1	72.5	72.5 73.2
≥ 8000 ≥ 2000	73.4 75.5	74.5 76.6	74.8 76.9	74.9 77.0	75.1 77.1	75.1 77.1	75.1 77.1	75.1 77.1	75 • 1 77 • 1	75.1 77.1	75.1 77.1	75.1	75.1 77.1	7° • 1 77 • 1	75.2 77.2	75 • 2 77 • 2
≥ 6000 ≥ 5000	77.6 80.1	78.7 81.3	79.0 81.7	79.2 81.9	79.3	79.3 82.1	79.3 82.1	79.3	79.3 82.1	79.3 82.1	79.3	79.3	79.3 82.1	79.3	79.4	79.4
≥ 4500 ≥ 4000	80.3	81.5 82.5	82.0 82.9	82.1 83.0	82.3	82.3		82.3 83.3	82.3	82.3	82.3	82.3	82.3	82.3	82.4	82.4
≥ 3500 ≥ 3000	82.4 83.2	84.0 85.1	84.6	84.8 85.9	85.0 86.1	85.0	85.0 86.1	86.1	85.0	85.D 86.1	85.0 86.1	85.0	85.0 86.1	85.0 86.1	85.1	85.1 86.2
≥ 2500 ≥ 2000	83.9	85.9	86.6	86.8	87.8	87.8	87.0	87.1 87.9	87.1 87.9	87.1	87.1 87.9	87.1	87.1 87.9	87.1	87.3 88.0	87.3 88.0
≥ 1800 ≥ 1500	84.9	86.8	87.6	87.8	88.1	89.2	89.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.3	89.4
≥ 1200 ≥ 1000	85.7	88.2	89.2 90.7	89.6 91.1	90.0	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.3	90.3	90.4	90.4
≥ 900 ≥ 800	87.4 87.5	90.5	91.5 92.0	91.9	92.2	92.3	92.5		93.5	92.7	92.7 93.5	92.7	92.9 94.1	93.0	93.1	93.1
≥ 700 ≥ 600	87.5	90.8	92.0	92.5	92.9	93.0	93.4	93.6	94.5	94.6	93.7	94.0	94.3	94.7	95.8	94.8
≥ 500 ≥ 400	88.2	92.4		94.4	94.7				95.7	95.7		95.9	96.3	97.3		97.2
≥ 300 ≥ 200		92.5			95.0	95.2	96.0	96.3	96.3		97.0				98.3	
2 100 2 €		92.7 92.7	94.2		95.1 95.1					96.9	97.0 97.0	97.3	98.4	98.9	99.81 99.81	

TOTAL NUMBER OF OBSERVATIONS ______921

USAF ETAC $\frac{1-M_{\odot}}{2.4 \text{ od}}$ 0-14-5 (OL A) previous editions of this form are desolete

CEILING VERSUS VISIBILITY

726625 ELLSWORTH AFB SD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

	цио							VIS	BILITY ST	JIM BILITA	15						
,	FEFT	≥10	≥6	≥ 5	≥ 4	≥)	≥2.	2.7	ر ا <u>'ج</u>	∡ا≤	≥1	≥ '4	≥`»	≥ ;	≥5 16	ž ,	≥0
	SUCIONO CEILINO	57.1 64.1	57.6	57.8 64.8	57.8 64.8	57.9 64.9	57.9 64.9	57.9 69.9	57.9 64.9	57.9 64.9	57.9 64.9	57.9 64.9	57.9	57.9 64.9	57.9 69.9	58.0	
-	18000 16000	64.6 64.6	65.2 65.2	65.4 65.4	65.4 65.4	65.5 65.5	65.5 65.5	65.5 65.5	65.5 65.5	65.5	65.5 65.5	65.5 65.5	65.5	65.5	65.5 65.5	65.6	65.6
_	14000	65.3 67.6	65.8 68.2	66.0 68.4	66.0 68.4	66.1	66.1 68.5	66.1 68.5	66 - 1 68 - 5	66.1	66.1	66.1 68.5	66.1	66.1	66.1	66.2	66.3
	10000 9000	69.9 70.2	70.4	70.7 71.0	70.7 71.0	70.8 71.1	70.8 71.1	70.8	70 · 8	70.8 71.1	70.8 71.1	70.8	70.8	70.8	70.8 71.1	70.9	71.0
	8000 7000	72.5	73.0	73.2	73.2 75.5	73.4	73.4 75.6	73.4	73.4 75.6	73.4	73.4	73.4	73.4	73.4	73.4	73.5	73.6 75.8
	6000 5000	76.4	76.9	77.1 79.1	77.2	77.3 79.3	77.3	77.3 79.3		77.3	77.3 79.3	77.3	77.3	77.3	77.3	77.5	
	4500 4000	·	79.2	79.4	79.5 81.8		79.6	79.6	79.6	79.6	79.6 82.0	79.6	79.6	79.6	79.6	79.7	
	3500 3000		83.C	83.2	83.4	83.5	83.5		83.6	83.6		83.6	83.6	83.6	83.6	83.7	
_	2500 2000	84.6	86.2	86.5	86.5	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.3	87.4 89.0
	1 80 0 1 50 0		87.2		88.2	88.6	88.6	88.8	88.8	88.8	88.8 90.1	88.8	88.8	88.8	88.8	88.9	89.3
	1200 1000	86.5	88.9		90.0	90.5	90.5 91.6	90.8	90.9	90.9		91.0	91.0	91.0	91.0	91.2	91.3
: ≥	900	87.5	90.0	90.4	91.4	91.6 92.0	92.0	91.9 92.3 92.7	92.1 92.7 93.0	92.7 93.0	92.9	93.1 93.7	93.1	93.1	93.1	92.7 93.2 94.2	
<u>2</u> 2	700 600		90.4	90.9	92.0	92.7	92.7	93.0	93.5	93.5	94.2	94.4	94.6	94.7	94.7	94.8	-
? ?	500 400	88.3	91.6	92.4	93.6	94.5	94.5	94.9	95.5		96.1	96.3	96.5	96.9	97.0		97.3
2	300 200	88.5	91.9	92.8	94.2	95.5		95.9	96.5	96.7	97.4		98.0	98.3	98.4	98.6	98.7
2	100	88.6	92.0	93.0	94.4	95.7			97.3	97.4	98.5	98.8	99.0	99.6	99.7		00.0

TOTAL NUMBER OF OBSERVATIONS ...

USAF ETAC 10-04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

ELLSWCRTH AFB SD 73-82 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY STATUTE MILES CEILING FEET 210 | 21. ≥1 ≥10 NO CEILING ≥ 18000 ≥ 14000 > 12000 ± 10000 71.2 71.9 72.0 72.1 72.2 72.2 72.3 72.3 72.3 72.4 72.4 72.4 72.4 72.4 72.4 72.4 > 9000 ≥ 8000 ≥ 7000 6000 ≥ 4500 ≥ 4000 ≥ 2500 ≥ 2000 ≥ 1800 ≥ 1500 1200 86.3 88.8 89.4 90.1 90.5 90.5 91.0 91.3 91.3 91.5 91.6 91.7 91.7 91.7 91.8 91.8 1000 86.6 89.2 89.8 90.6 90.9 91.0 91.5 91.8 91.9 92.1 92.3 92.4 92.4 92.5 92.5 86.9 89.7 90.3 91.1 91.5 91.6 92.0 92.5 92.6 92.9 93.0 93.2 93.3 93.4 93.4 93.6 86.9 89.9 90.6 91.5 91.9 92.0 92.5 93.0 93.4 93.6 93.7 93.9 93.9 94.0 94.3 900 800 87.2 90.4 91.2 92.1 92.6 92.7 93.2 93.8 93.8 94.3 94.5 94.6 94.8 94.8 95.0 95.3 87.4 90.8 91.6 92.5 93.1 93.2 93.8 94.3 94.4 95.0 95.2 95.3 95.6 95.7 95.9 96.3 600 500 87.6 91.1 92.0 92.9 93.5 93.6 94.2 94.8 94.9 95.6 95.8 96.0 96.3 96.4 96.6 97.2 87.7 91.3 92.3 93.4 94.1 94.2 94.8 95.5 95.6 96.4 96.6 96.8 97.2 97.4 97.7 98.2 87.7 91. 2 2.3 93.4 94.1 94.3 95.0 95.8 95.9 96.8 97.2 97.4 98.0 98.2 98.7 99.3 300 91.3 93.4 94.2 94.4 95.1 95.9 96.1 97.0 97.3 97.6 98.3 98.5 99.2 99.9 87.7 91.3 92.3 93.4 94.2 94.4 95.1 95.9 96.1 97.0 97.3 97.6 98.3 98.5 99.2100.0

TOTAL NUMBER OF OBSERVATIONS _

USAF ETAC 101 84 0-14-5 (QL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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CEILING VERSUS VISIBILITY

ELLSWORTH AFB SO

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CHANG	:						vis	(BIL) (* 51	ATUTE MIL	ES						
1431	≥10	≥6	25	≥ 4	<u>≯</u> j	22.	2.7	. انج	<u>2</u> 1.	_ ≥1	5,	≥ 1	≥ :	25 16	≥.	≥0
5 SUCCO NO LEITINE	60.7 68.2				61.1	61.1			61.1	61.2	61.2	61.2	61.2	61.2	61.2	1
≥ 18000 > 16000	68.4	68.8	68.8 68.9			68.9 69.0			69.0 69.1		69.0 69.1	69.0	69.0	69.0 69.1	69.1	69.1
≥ 14000 ≥ 12000	69.2 71.2	69.6 71.6	69.7 71.7	69.7 71.7	69.8 71.8	69.8	69.8 71.8	69.8 71.8	69.5 71.8	69.8	69.8	69.8	69.9	69.9 71.9	69.9	69.9
≥ 9000 ≥ 9000	75.2 75.7	76.2	75.7 76.3	75 • 8 76 • 3	75.8 76.4	75.8 76.4	75.8 76.4	75.9 76.4	75.9 76.4		75.9 76.5	75.9 76.5	75.9 76.5	75.9 76.5	76.0 76.5	76.0 76.5
:• 8000 ≥ 7000	79.3	78.6 79.8			78.8 80.1	80.1	78.9 30.1	80.2		80.2	78.9 NO.2	78.9	78.9	78.9 80.2	79.0 80.3	79.0 80.3
2 6000 2 5000	82.6	81.1		83.5	83.6	83.6	81.5 83.7	81.5		83.7	81.6	81.6	81.6	61.6 83.8	81.6	81.6
3 4500 2 4000	84.9	85.7		86.0	84.3	84.3	84.4	84.4	86.3	86.3	84.5	84.5	84.5	84.5	84.5	86.9
≥ 3500 ≥ 3000	87.0	86.7	88.3	88.5	88.7	87.2	48.8	88.9	88.9	88.9	87.4	87.4	87.4	87.4	87.4 89.0	
≥ 2500 ≥ 2000 ≥ 1800	88.5	89.9	89.2 90.2	90.5	90.7	90.7		90.9	91.0		91.1	91.1	91.1	90.0		91.2
≥ 1500	89.3	90.9	91.3	91.6	91.8	90.9 91.9 92.7	92.0			91.2	92.3	91.3 92.3 93.2	92.4	92.4	91.3	92.4
≥ 1000	90.2	92.1	92.6	93.0	93.3		93.6	93.8	93.8	94.0		94.5	94.2	93.3	93.3 94.2 94.6	94.2
≥ 800 ≥ 700	90.6	92.6	93.2	93.5	94.0	94.0	94.3	94.6	94.6 95.1	94.8	94.9	95.D 95.5	95.1 95.6	95.1		95.2 95.8
≥ 600 ≥ 500	90.8		93.8	94.3		94.8	95.1	95.4	95.6	95.8 96.6			96.2	96.2	96.3 97.2	96.3
2 400 2 300			94.5		95.7 96.0		96.2	96.6	96.8		97.4	97.5 98.2	97.8 98.4		97.9	
2 200 2 100	91.2		94.8	95.5 95.6							98.6			99.1	99.3	99.5
≥ 0	91.2	94.0	94.8	95.6			96.9			98.3		98.8	99.2		99.61	00.0

TOTAL NUMBER OF OBSERVATIONS.

USAF ETAC 1.04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSCIETE

TOTAL SKY COVER

FOR AIRWAYS STATIONS THE SYMBOLS OF CLEAR, SCATTERED, BROKEN, DVERCAST, & OBSCURED WERE USED AS INPUT FOR THE TOTAL SKY COVER.

> CLEAR WAS CONVERTED TO 0/10 SCATTERED WAS CONVERTED TO 3/10 BROKEN WAS CONVERTED TO 9/10 OVERCAST WAS CONVERTED TO 10/10 OBSCURED WAS CONVERTED TO 10/10

SKY COVER

726625

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ELLSWORTH AFB SD

73-82

JAN

STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGE	FREQUENC	Y OF TENT	HS OF TOTAL	L SKY COVER	1			MEAN	TOTAL
MONTH	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	TENTHS OF SKY COVER	NO. OF OBS.
JAN	20-05	25.3			29.8						18.8	26.1	5.2	92
	03-05	22.0			31.3						19.2	27.6	5.4	92
	06-08	11.4			31.3						24.9	32.4	6.4	93
	09-11	8.4			28.1						26.2	37.3	6.9	93
	12-14	8 . 4			28.8						27.1	35.7	6.9	93
	15-17	6.2			33.4						25.8	34.5	6.8	931
	18-20	12.9			32.7						22.7	31.7	6.2	92
	21-23	20.1			31.5						18.5	29.8	5.6	929
101	ALS	14.3			30.9						22.9	31.9	6.2	7434

FORM 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE. USAFETAC

SKY COVER

726625

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ELLSWORTH AFB SD

73-82

FEB

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGE	FREQUENC	Y OF TENT	HS OF TOTAL	L SKY COVER				MEAN TENTHS OF	TOTAL NO. OF
MUNIH	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	OBS.
FEB	00-02	23.5			27.8						15.9	32.9	5.5	84
	03-05	22.7			27.8						16.0	53.4	5 • 6	84
	06-D8	8.3			31.4						25.9	34.4	6.7	d 4 1
	09-11	5.8			28.0						31.6	34.6	7.1	5 4 !
	12-14	4.7			31.6						30.9	32.8	7.0	8 4 9
	15-17	3.9			34.2						27.4	34.5	6.9	846
	18-20	11.8			33.7						23.5	31.0	6.2	846
	21-23	19.3			31.4						18.0	31.3	5.7	344
101	ALS	12.5			30.7						23.7	33.1	6.3	6756

USAFETAC FORM 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

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SKY COVER

726625

ELLSWORTH AFB SD

73-82

STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS	1			PERCENTAG	FREQUENC	Y OF TENT	HS OF TOTAL	L SKY COVER				MEAN	TOTAL
MONIH	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	TENTHS OF SKY COVER	NO. OF OBS.
MAR	00-02	23.9			28.0						14.5	33.7	5.5	930
	03-05	21.2			27.6						16.3	34.8	5 . 8	930
	06-08	8.8]	30.1	_					25.8	35.2	6.7	929
	09-11	7.0			29.5						26.0	37.5	7.0	930
	12-14	3.7			30.4						31.3	34.6	7.2	930
	15-17	3.2			33.3						29.8	33.7	7.0	930
	13-20	8.1			34.8						21.9	35.2	6.5	930
	21-23	19.2			30.3						17.2	33.3	5 • 8	928
·														**************************************
101	TALS	11.9			30.5						22.9	34.8	6.4	7431

FORM 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE. USAFETAC

SKY COVER

726625

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ELLSWORTH AFB SD

73-82

APR

STATION

STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAG	FREQUEN	Y OF TENT	HS OF TOTAL	SKY COVER				MEAN	TOTAL
moi1111	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	TENTHS OF SKY COVER	NO. OF OBS.
APR	00-02	22.9			27.6		 				14.1	35.4	5 • 6	900
	03-05	17.7			30.5					 	18.3	33.4	5.9	897
	06-08	10.1			28.8						23.5	37.5	6.7	898
·	09-11	5.9			29.3						28.8	36.0	7.1	900
	12-14	3.0			29.7		·				31.4	35.9	7.3	900
	15-17	2.7			28.1						32.8	36.4	7.4	900
	18-20	4.6			32.3						25.8	37.4	7.0	899
	21-23	17.2		 	28.3						17.0	37.4	6.1	900
							· · · · · · · · · · · · · · · · · · ·							
101	ALS	10.5			29.3						24.0	36.2	6.6	7194

USAFETAC

SKY COVER

726625

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ELLSWORTH AFB SD

73-82

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS				PERCENTAG	E FREQUENC	Y OF TENT	HS OF TOTA	L SKY COVER				MEAN	TOTAL
(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	NO. OF OBS.
00-02	19.5			30.1						19.8	30.6	5.7	92
03-05	11.6			34.7			<u> </u>			23.4	30.3	6.2	92
06-08	8.3			31.8						28.9	31.0	6.7	92
09-11	5.4			33.5	······································		<u> </u>			28.0	33.0	6.8	92
12-14	2.9			30.8						34.7	31.6	7.2	929
15-17	1.5			28.2						40.4	29.9	7.5	930
18-20	3.3			33.2						31.0	32.5	7.0	930
21-23	13.5			35.6						18.8	32.1	6.0	921
					program grants and said	The same and the s							7430
	(LS.T.) 00-02 03-05 06-08 09-11 12-14 15-17 18-20	(L.S.T.) 0 00-02 19.5 03-05 11.6 06-08 8.3 09-11 5.4 12-14 2.9 15-17 1.5 18-20 3.3 21-23 13.5	(L.S.T.) 0 1 00-02 19.5 03-05 11.6 06-08 8.3 09-11 5.4 12-14 2.9 15-17 1.5 18-20 3.3 21-23 13.5	(L.S.T.) 0 1 2 00-02 19.5 03-05 11.6 06-08 8.3 09-11 5.4 12-14 2.9 15-17 1.5 18-20 3.3 21-23 13.5	(i.s.r.) 0 1 2 3 00-02 19.5 30.1 03-05 11.6 34.7 06-08 8.3 31.8 09-11 5.4 33.5 12-14 2.9 30.8 15-17 1.5 28.2 18-20 3.3 33.2 21-23 13.5 35.6	(L.S.T.) 0 1 2 3 4 000-02 19.5 30.1 03-05 11.6 34.7 06-08 8.3 31.8 09-11 5.4 33.5 12-14 2.9 30.8 15-17 1.5 28.2 18-20 3.3 33.2 21-23 13.5 35.6	(L.S.T.) 0 1 2 3 4 5 000-02 19.5 30.1 03-05 11.6 34.7 06-08 8.3 31.8 09-11 5.4 33.5 12-14 2.9 30.8 15-17 1.5 28.2 18-20 3.3 33.2 21-23 13.5 35.6	(i.s.r.) 0 1 2 3 4 5 6 00-02 19.5 30.1 03-05 11.6 34.7 06-08 8.3 31.8 09-11 5.4 33.5 12-14 2.9 30.8 15-17 1.5 28.2 18-20 3.3 33.2 21-23 13.5 35.6	(LS.T.) 0 1 2 3 4 5 6 7 00-02 19.5 30.1 03-05 11.6 34.7 06-08 8.3 31.8 09-11 5.4 33.5 12-14 2.9 30.8 15-17 1.5 28.2 18-20 3.3 33.2 21-23 13.5 35.6	(L.S.T.) 0 1 2 3 4 5 6 7 8 00-02 19.5 30.1 30	100-02 19.5 30.1 19.8	10	Cl.S.T.

USAFETAC FORM 0-9-5 (OL A)

SKY COVER

726625

ELLSWORTH AFB SD

73-82

NUL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGE	FREQUENC	Y OF TENT	HS OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL NO. OF
MONIN	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	OBS.
JUN	00-02	27.7			33.8	···					17.9	20.6	4.7	899
	03-05	12.2			46.9						26.0	14.9	5.2	970
	06-08	11.6			47.2						25.8	15.4	5.3	900
	09-11	8.1			52.3						26.0	13.6	5.3	900
	12-14	5.2			44.8						36.2	13.8	6.3	899
	15-17	3 • 2			41.7						38.3	16.8	6.4	900
	18-20	5.4			40.8						33.9	19.0	6.3	900
	21-23	17.7			39.0						24.1	19.2	5.3	900
				<u>.</u>		-	····							
*********	-													
TOT	ALS	11.4			43.3						28.5	16.8	5.6	7198

USAFETAC PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

726625 STATION

2

ELLSWORTH AFB SD STATION NAME

73-82

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGE	FREQUEN	CY OF TENT	HS OF TOTAL	SKY COVER				MEAN	TOTAL
MONTH	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	TENTHS OF SKY COVER	NO. OF OBS.
JUL	30-02	28.6			35.6						19.1	16.7	4.5	93
	03-05	15.6			44.1						24.9	15.4	5.1	93
·	06-08	11.5	· · · · · · · · · · · · · · · · · · ·		48.4						26.9	13.2	5.2	93
	09-11	9.0			56.5						26.2	8.3	4.9	93
	12-14	5.1	و بي القدر سيودد		54.8						30.2	9.9	5.4	931
	15-17	3.0			48.1						39.0	9.9	5.9	921
·····	18-20	5.4			46.9						35.2	12.6	5.8	931
	21-23	20.0			38.5						26.8	14.7	5.0	93
TOT	ALS	12.3			46.6							12.6	5.2	743

FORM 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE. USAFETAC

SKY COVER

2

ELLSWORTH AFB SD STATION NAME

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS	1			PERCENTAGE	FREQUENC	Y OF TENT	HS OF TOTAL	SKY COVER				MEAN	TOTAL
MONIH	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	TENTHS OF SKY COVER	NO. OF OBS.
AUS	00-02	32.9			32.9						20.5	13.8	4.2	928
	03-05	22.4			44.3						21.0	12.4	4.5	930
	06-08	13.3			46.1						25.8	14.7	5.2	930
	09-11	9.1			52.2						26.6	12.2	5.2	930
	12-14	4.4			51.1						34.5	10.0	5,6	930
	15-17	4.3			50.1						36.7	8.9	5.7	929
	18-20	7.4			50.2						30.0	12.4	5.4	929
	21-23	25.5			37.8						21.7	15.0	4.6	929
							المروانية والمرورة				 			
en en en en en en en en en en en en en e									t make and the same					
101	TALS	14.9			45.6	į					27.1	12.4	5.1	7435

FORM 0-9-5 (OL A) USAFETAC PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

ELLSWORTH AFB SO

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGI	FREQUEN	CY OF TENT	HS OF TOTAL	L SKY COVER				MEAN TENTHS OF	TOTAL NO OF
MONTH	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	085.
SEP	30-02	46.3			29.4					ļ	10.6	13.7	3.2	898
	03-05	39.6			31.1				ļ		16.1	13.2	3.7	900
	76-08	22.9			39.2			 		<u> </u>	21.3	16.6	4.8	970
	79-11	21.0			42.3						21.9	14.€	4.7	900
	12-14	12.5			52.4					ļ <u></u>	22.4	14.2	5.7	900
	15-17	11.3			48.1	,					29.7	10.9	5.2	970
	18-20	22.5		 	44.3			ļ			20.9	12.8	4.5	900
	21-23	41.0			30.7						13.9	14.4	3.6	900
												_		
				-										
To all all sections														
<u> </u>	TALS	27.1			39.4						19.6	13.5	4,3	7198

IJSAFETAC

SKY COVER

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ELLSWORTH AFB SD

73-82

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGE	FREQUENC	Y OF TENT	HS OF TOTA	L SKY COVER				MEAN TENTHS OF	TOTAL NO. OF
MONIN	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	OBS.
001	06-02	36.2			27.5						16.5	19.8	4.3	93
	03-05	36.3			28.3						16.2	19.5	4.3	93
	26-08	13.5		 	38.2						27.5	27.8	5.7	93
	09-11	12.9			36.8				ļ		28.5	21.9	5.9	\$3
	12-14	12.2			35.4						29.8	22.7	6.0	93
	15-17	11.5			36.0						31.1	21.4	6.0	٥٦
	10-20	18.4			38.3						22.5	20.9	5.3	93
	21-23	30.8			30.1		·				18.4	20.8	4.6	93
101	TALS	21.4		DESCRIPTION OF THE PERSON OF T	33,8						23.8	21.0	5.3	744

PORM 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OSSOLETE. USAFE # "

SKY COVER

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ELLSWORTH AFB SD

73-82

PERIOD

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONT.	HOURS				PERCENTAGE	FREQUEN	CY OF TENT	HS OF TOTA	L SKY COVER				MEAN TENTHS OF	TOTAL NO. OF
MON7	(L.S.Y.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	OBS.
NOV	<u> </u>	11.1			25.4			<u> </u>		<u> </u>	15.4	28.2	3.7	39
	<u> </u>	33.2		! 	27.2		ļ		ļ	ļ	17.6	25.0	4.9	89
	06-03	13 1			34.3				ļ		24.9	27.6	6.0	90
	09-11	9.8			32.8						26.6	30.9	6.5	90
	12-: +	7.8			33.0						28.2	31.0	6.6	90
	15-17	7.3			30.8						30.0	31.9	6.8	901
	16-20	15.7			31.7						21.4	31.3	6.0	84
	21-23	23.3			28.9					 	18.0	29.8	5.5	90
							1	<u> </u>						
TO	TALS	17.3	ar warrage geloon. For Egicus		32.5						22.8	29.5	5 • 9	719

FORM 0-9-5 (OL A) USAFETAC

SKY COVER

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ELLSWORTH AFB SD

73-82

PERIOD

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS		PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											
MONTH	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	1e	SKY COVER	NO. OF OBS.
DEC	00-02	22.6			31.3						17.8	28.3	5.4	
	03-05	23.5			31.4						18.8	26.4	5.3	92
	06-08	10.0			34.6						28.8	26.6	6.3	93
	79-11	4.6	_,		30.5			<u> </u>			35.1	29.8	7.0	93
	12-14	4.8			28.7						36.3	30.1	7.1	93
	15-17	5.8			30.8						33.6	29.8	6.9	92
	18-20	14.5			30.2						25.2	30.1	6.2	92
	21-23	20.1			27.1						55.0	30.8	5.9	92
	 						<u> </u>	ļ				ļ		
											 	<u> </u>		
TO1	TALS	13.2	The St. A. B. C.		30.6		<u> </u>				27.2	29.0	6.3	742

FORM 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

726625

ELLSWORTH AFB SO

73-82

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS	!	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											TOTAL NO. OF
MONTH	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	NO. OF OBS.
JAN	ALL	14.3			30.9						22.9	31.9	6.2	7434
FES		12.5			30.7						23.7	33.1	6.3	6758
MAR		11.9			30.5						22.9	34.5	6.4	7437
APR		10.5			29.3						24.0	36.2	6.6	7194
MAY		8.3			32.2		<u> </u>				28.1	31.4	6.6	7430
NUL		11.4			43.3						28.5	16.8	5.6	7198
JUL		12.3			46.6	_					28.5	12.6	5.2	7439
AUG		14.9			45.6						27.1	12.4	5.1	7435
SEP		27.1			39.4						19.6	13.8	4.3	7198
OCT		21.4			33.8						23.8	21.0	5.3	7440
NOV		17.3			30.5						22.8	29.5	5.9	7192
DEC		13.2			30.6						27.2	29.11	6.3	7423
101	ALS	14.6			35.3						24.9	25.2	5.8	67578

FORM AU 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DISCULTE. USAFETAC

U S AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

- 1. Cumulative percentage frequency of occurrence derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperatures
 - b. Daily minimum temperatures
 - c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from bourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

- 2. Extreme values derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTES) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) * indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

Values for means and standard deviations do not include measurements for incomplete months.

Continued on Reverse

- 3. Bivariate percentage frequency distribution and computations of dry-bulk versus wet-bulb temperature.

 This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:
 - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares (ΣX^2) , sums of values (ΣX) , means (X), and standard deviations (σX) . The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.
 - NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.
- 4. Means and stundard deviations These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
- 5. Cumulative percentage frequency of occurrence of relative humidity This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
 - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
 - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

GLUBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC
726625 LLLSWORTH AFB SD
STATION NAME.

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
110				1			• 1						
105	4				:	• 2	. 7	• 2				, , , , , , , , , , , ,	
100		•			,	. 8	3.5	3.0	• 7		1		•
95	•	•	t r	•	• 2	2.5	14.9	12.9	2.9				2.
99		•	•		. 9	8.6	34.6	31.9	11.0	• 5			7.
8.5				. 6	5.6	21.2	57.0	52.4	22.8	2.9			13.
8 0	4	†	. 3	3.3		36.8	76.2	70.9	37.7	9.8			2)
75	:	•	1 1.3		26.C	55.5	90.3	86.8	53.1	17.5	. 3	· ···- · · · · · · · · · · · · · · · ·	28
7 5	۲	. 3	3.4	17.0	40.1	72.8	96.7	93.5	66.3	30.4	3.6	.7 *	35
65	7	1.4		27.9	57.6	87.1		97.6	77.9	45.4	9.4	1.7	43.
60	2.6	1			74.3	93.8	99.5	99.4	86.8	60.5	19.4	5.8	50
55	6.9				85.2	97.7		100.0	92.9	72.8	30.0	12.0	57
รับ	14.2	20.1	33.0		92.8	99.3			96.5	80.8	43.7	21.4	64
45	24.7	,	45.2		97.0	99.8			98.6	89.9	55.9		71
40	36.5	43.8	58.2		98.5	99.9			99.8	95.4	68.6	47.2	78
35	48.1		69.9		99.8	100.0		+	100.0	97.5	78.2	60.2	83
30	55.1				100.0					99.5	88.4	73.2	89
25	66.6		87.6	99.5						99.8	93.6	81.0	92
20	73.1							·· • • • • • • • • • • • • • • • • •		100.0		86.9	94
15	79.7	,	97.2							100.0	98.1	92.1	96
10	86.0		98.9								99.3	95.8	97.
	91.3										99.8	97.6	
	95.1	99.0								··· -			98
-5	98.3										100.0	99.1	99
			,,									99.4	99.
-10	99.6											99.9	100.
-15	100.0	100.0										100.0	100.
	1												
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	· ·												
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												T	
•]	
	Ţ 1								1				
MEAN	* 31.1	35.7	42.4	55.9	56.6	75.7	85.6	84.4	74.2	62.1	46.2	37.4	58.
s Ď		15.469		13.181		13.273	8.502	9.028	2.4891		4.031	4.875	22.71
TOTAL OBS.	1227	1157	1271	1259	1301	1237	1263	1271	1230	1271	1220	1271	1498

USAFETAC FORM 0-21-5 (OL A) NEVIOUS COTTONS OF THIS FOR'S ARE ORGOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC 726625 ELLSHORTH AFB SD STATION NAME

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

39-45. 48-82 YEARS

.. MINIMUM

TEMP	(*F)	JAN.	FEB.	. MAR.	I APR.	MAY	JUN.	j JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
	8.0	I .		A	i	1								
	75	h h					- 1	. 5		.1	1			
	.70	11					. 9	7.6	4.4	. 4	1			1
	65		!	1		. 2	4.6	27.8	20.7	3.2	T	!		4
	60	*	•	t	_ 1	2.1	21.1	64.6	53.2		T	† · · · · · · · · ·		12.
	55	Í		*		0.6	40.1	89.5	79.0		÷ · · · · ·	_ 1.	•	21.
	50		t :	1	2.0	27.5	76.7		93.9	49.9		÷	. 1	
•	45	*	. 2	2	11.0	61.1	92.9		·					39. . 38.
	40		<u>.</u>	7.5	27.2	77.7	98.2	· · · · · · · · · · · · · · · · · · ·	100.0			4.9 4		
	35	. 7	97	2.2			7.9.1.6	AUUAU	IUU.U	STAT	7.6.0	9.4		46.
		3.0	• •		79.0	91.3	99.7	.		25.9	0003	LAVER	2.4.4	5.4.
	33	5.6		T : T : 1		, E. L.A. M	77.0	4		97.5	76.5		2.4	5.8 •
	30	10.7		29 • 8		97.0	100.00	ļ		99.2	85.8	77 17 1 1		6.4.
	25	21.1		49.2		9.2.02	ļ			79.9	95.3	60.0		7.3.
	.20	33.9	,	7	75.6	100.0		} 			98.6			40.
	15	45.6	57.0	77.3			ļ			100.0	99.8		63.3	85.
	1,0	56.1	69.7	85S	99.6		4				100-0		75.1	90.
	5	65.9		92 • 1	100.0						ļ	95.8	84.7	9.3.
	Ð	74.3	88.0	95,4								98.4	92.0	95.
	- 5	83.1	94.7	98.6			i					99.4	96.0	97.
	-10	91.5	97.9	99.4								99.8	98.1	98.
	-15	96.4	99.2									100.0	99.3	99.
	-20	99.2		100.0									99.8	99.
	-25		100.0					3 i					100.0	100.
													il	
	• • • •	# !	·	†-· -										
		ei J		† 										
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MEA 5 (11.0	15.6	22.4	34.3	44.8	54.1	6la3	59.5	49.3	38.7	25.7	17.6	36
. 31	,	14.789	16.572	11.253	8 . 246	7.563	6.553	5.487	5.019	8.251	8.362	1 C. 2310	12-214	19.45

USAPETAC JORM 0-21-5 (OL A) NEWYOUS EDITIONS OF THIS FORM AND OSSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR HEATHER SERVICE/MAC
726625 ELLSWORTH AFB SD
STATION NAME

1

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

MEAN

TEMP ("F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
9 0		,					• 3	.1		:			•
85		t	*·-·			. 6	3.3	1.7	• 3	1			•
8.0	†			i	. 2	2.4	18.6	14.2		***************************************		t #	3.
75	***************************************	1 .	•		. 8	11.0	45.8	38.8	9.2				8.
70	•# • • • • • • • • • • • • • • • • • •	:		. 4	5.7	28.9	74.0	65.0	23.3			• • •	16.
65	# · · · · · · · · · · · · · · · · · · ·	+ ····· · ···· - · · · · · · · · · · · ·	.1	2.3	17.2	53.4	92.4	85.6	41.7	7.9	• 1	•	25.
60	-#	+ · · - · · · · · · · · · · ·	• 6		34.1	76.2	98.3	95.7		18.7	. 4	i	33.
55	.1	. 3	2.8	18.3	55.6	91.3	99.7		77.5	35.4	3.3	. 6	40.
5 U	9			33.5	77.6	97.7		100.0		56.4	12.3	2.9	48.
45	4.0		16.4	53.2	90.9	99.4		•	95.2		25.1	8.6	56.
	11.6	,	31.2	71.8	96.7				98.5	85.7	41.5	18.5	64.
35	21.8		47.0		98.5		<u>.</u>		99.9	93.9	57.6	32.3	72.
30	34.7			94.5	99.8				100.0			49.0	79.
25	48.3		74.9	98.3	100.0					99.4	86.2	62.7	85.
2.0	58.3	73.2	85.1	99.4						99.9	92.4	75.4	90.
15	65.9	,	90.6	99.8						100.0	95.6	83.2	93.
	74.9	,	95.8	100.0							97.8	91.2	95.
5	82.5		98.2				*** ********				99.1	95.0	97.
วั	88.0		99.3								99.8	96.9	98.
-5	94.6		99.8								99.9		99.
-15	98.1		100.0								100.0		99.
-15	99.8	1										100.0	100.
-20		100.0										10010	100.
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MEAN	21.2	26.0	32.6	45.3	55.9	65.1	73.6	72.1	61.9	50.6	36.1	27.7	47.
\$. D	15.571		16.399	9.880	8.734	7.834	6.368	6.873	9.638	0.038	1.444	3.007	20.71
TOTAL OBS.	1229	1157	1271	1259	1301	1237	1263	1271	1230	1271	1228	1271	1478

USAFETAC TOLM 0-21-5 (OL A) REVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

EXTREME VALUES

HAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

726625 ELLSHORTH AFB SD STATION NAME

9-45. 48-82

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
39		58	76	87	97+	94	107	98	96	76*	70	74	
40	5 5	62	67	74*	93	98	104	98	96	81	64	62	104
41	63	62	66*	71	89.	92	103	106	94	8 3	65	71	100
42	6.8	56	64	87	- 83	8 5	94	99	96	8.3	77	58	99
43	* 57	66	80	84	92+	71+	102	100	94	87	70	64	* 10
44	5 9;	52	55	72	8.7	92	94	103	90	79:	68	60	10
45	5 1	54	72	79	79	91		- !				j	
48				84	94	8 8	100	102	102	8 3.	62	66	
49	54	52	56	83	86	97	104	104	93	8 8	72	59	104
50	5 3	62	66	74	85	9 8	95	95	92	83	65	58 i	98
51	53	71	65	83	89	84	102	94	82	84	65	66	102
52	56	63	57	86	8 9	101	108	97	96	8 0	76	66	108
53	67	54	64	79	82	92	93	100	89	93	75	59	100
54	63	72	71	79	89	99	106	100	91	8.6	73	60	106
5.5	6.3	53	65	84	89	97	99	99	97	88	73	65	99
56	61	64	78	78	83	99	97	92	90	8.8	67	62	99
57	44	63	67	73	84	86	97	97	88	87	64	71	91
58	63	6.8	66	83	87	90	90	100	94	8.5	71	65	100
59	5 a	54	66	84	85	96	97	100	102	75	72	63	102
60	61	6.3	76	84	8.8	9 5	102	101	103	8 5	74	64	10
61	59	69	75	51	89	105	100	103	92	8 3	68	60	109
62	6.0	71	70	86	8 3	90	8 9	98	93	8 2	69	62	96
63	63	64	80	81	8 8	94	99	98	96	94	70	64	99
64	59	57	72	77	8 9	92	100	99	93	79	73	62	100
65	64	65	58	79	87	81	78	99	90	87	74	73	99
66	61	47	75	72	8.8	103	109	95	94	84	69	64	105
67	62	64	82	74	84	8 4	96	98	91	8 5	70	58	98
68	6.6	5.8	7.3	79	77	93	95	96	91	84	64	6] [96
69	55	54	71	81	97	95	99	105	94	83	73	70	105
70	60	66	6.6	40		98	96	100	97	8.5	64	57	100
MEAN				3. Francisco						j		I	
\$. D.		İ											
OTAL OSS.													

NOTES + (EASED ON LESS THAN FULL MONTHS)

USAF ETAC MOM DASS (OLA)

LAT LEAST ONE DAY LESS THAN 24 DAST

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EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

726625 ELLSWORTH AFB SD STATION NAME

39-45. 48-82

YEARS

WHOLE DEGREES FAHRENHEIT

71	MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
72 61 67 81 73 85 89 96 99 94 81 60 64 71 73 65 80 82 68 70 74 66 61 73 82 82 106 100 100 92 87 70 60 75 50 48 61 79 87 89 104 107 87 92 73 66 76 76 55 64 64 78 88 90 98 101 101 85 71 58 77 43 63 68 82 84 96 103 94 91 81 69 57 78 44 43 79 74 88 92 95 102 103 82 73 48 79 79 41 43 65 80 89 100 93 95 99 83 67 70 80 80 80 80 80 80 80 80 80 80 80 80 80		51	50	70	8.2	79	90	96	100	102	79	70	59	102
73 65 60 60 63 74 86 91 111 102 88 82 68 70 74 66 61 73 82 82 106 100 100 92 87 70 60 75 75 50 48 61 79 87 87 87 107 87 92 73 56 76 56 64 64 78 88 90 98 101 101 85 71 58 71 58 77 43 63 68 82 84 96 103 94 91 81 69 57 76 44 43 79 74 88 92 95 102 103 82 73 48 79 74 88 92 95 102 103 82 73 48 79 74 88 92 95 102 103 82 73 48 79 79 41 43 65 80 89 100 93 95 99 83 67 70 80 56 68 63 86 88 102 109 100 94 90 75 67 81 69 60 63 83 81 93 106 101 95 85 67 63 82 62 60 65 76 81 80 97 91 96 75 65 58 82 67 63 82 62 60 65 76 81 80 97 91 96 75 65 58 82 82 83 84 85 97 91 96 75 65 58 82 85 85 85 85 85 85 85 85 85 85 85 85 85														99
74 68 61 73 82 82 106 100 92 87 70 60 75 50 48 61 79 87 89 104 107 87 92 73 66 76 66 64 64 78 88 90 98 101 101 85 71 58 77 43 63 68 82 84 96 103 94 91 81 69 57 78 44 43 79 74 88 92 95 102 103 82 73 48 79 79 48 92 95 102 103 82 73 48 79 79 44 83 65 80 89 100 93 95 99 83 67 70 80 58 68 63 86 88 102 109 100 94 90 75 67 81 69 60 63 83 81 93 106 101 95 85 67 63 82 62 62 62 63 65 76 81 80 97 91 96 75 65 58							91		102	88		68	70	111
75		1			8.2		106					70:	60 i	106
76			****							87				107
77						8.8	:	98	101	101	8 5	71	58	101
79 44 43 79 74 88 92 95 102 103 82 73 48 79 80 89 100 93 95 99 83 67 70 80 58 68 68 102 109 100 94 90 75 67 81 69 60 63 83 81 93 106 101 95 85 67 63 82 62 68 65 76 81 80 97 91 96 75 65 58 88 82 62 68 65 76 81 80 97 91 96 75 65 58				68			96	103			31		57 i	103
79 41 43 65 8U 89 100 93 95 99 83 67 72 8U 56 68 63 86 88 102 109 100 94 90 75 67 81 69 60 63 83 81 93 106 101 95 85 67 63 82 62 68 65 76 81 80 97 91 96 75 65 58		44	•	79		8.8	92		102	103	8 2.	73	48	133
8U 50 60 63 80 80 102 109 100 94 90 75 67 81 69 60 63 83 81 93 106 102 95 85 67 63 82 62 60 65 76 81 80 97 91 96 75 65 58 85 67 65 58 85 67 65 58 85 67 65 65 58 85 67 65 65 65 65 65 65 65 65 65 65 65 65 65				65										100
81 69 60 63 83 81 93 106 101 95 85 67 63 82 62 68 65 76 81 80 97 91 96 75 65 58		3						- 1	- 1	- (105
MEAN 57.9 60 0 68 6 79.9 86 4 93 3 99 5 99 2 94 1 84 0 69 3 63 C 1														106
MEAN 57.9 60.0 68.6 79.9 86.4 93.3 99.5 99.2 99.1 84.0 69.3 63.0 3							-1							9
MEAN 57.9 60.0 68.6 79.9 86.4 93.3 99.5 99.2 94.1 84.0 69.3 63.0 1														
s.p. 6.960 7.617 6.992 4.420 4.300 6.207 5.335 3.482 4.636 4.295 4.176 5.196 3			60.0											101.0
														3.650 14988

. NOTES . (BASED ON LESS THAN FULL MONTHS)

USAF ETAC MONTH 0-88-5 (OLA)

4 LAT LEAST ONE DAY LESS THAN 24 OBS)

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EXTREME VALUES

HINIMUM TEMPERATURE

(FROM DAILY OSSERVATIONS)

726625 ELLSWORTH AFB SD

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	אטנ	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
39	į	-23	6	14	34+	43	55	44	32	27	19	3.	
43	-17	Q	<u>5</u>	7 *	34	4 3	56	47	37	30	- 3	-7	-1
41	- 5	1	4 *	24	38	43	50	50	28	18	1:	-9"	- (
42	ر 2 –	-11	16	26	30	3 7	47	47	19	15	10	2 .	• -2:
43	* -25	0	-11	19	26*	37+	50,	50	35	24	12	-2".	+ -2
44	- 2	-16	~ 1	26	26	38	49	48	30	29	3	-6.	-16
45	-12	-9	- 9	13	23	40						· · ·	
48		į		21	3.5	4 4	5 3	5 1	42	19	15	2	
49	-25	-11	-3	20	35	4.5	54	48	32	22	15	-2	-2
5 ს	-24	-4	-14	1 3	21	42	45	4.8	32	28		-7 ,	-26
51	-19	-11	-10	16	35	31	48	49	27	14	0,	-15	-2
52	-16	1	-2	21	32	49	48	5 0	41	21	2	11	-10
53	-8	-2	5	19	23	44	53	51	36	27	17	4	-19
54	-15	11	- 1	13	20	34	54	5 4	35	21	15	8	-1
55	-2	-6	-6	25	39	43	56	54	33	28	-7	-8	-(
56	- 0	-10	- 7	15	29	4 9	54	48	39	27	12	- 6	-19
57	-23	-8	3	12	38	49	55	49	31	20	18	8	- 2'
58	15	-4	13	24	39	3 7	50	48	32	29	5	-8	-1
59	-15	-4	17	17	32	43	42	52	29	21	-14	9	-1
60	-6	-8	-11	25	34	4 5	5.5	48	36	18	7	- 3	-i
61	-8	7	21	21	32	48	5.5	5.5	27	24	13	-8	
62	-14	-18	-18	21	3.5	41	50	4 4		21	19	-4	
63	-23	-10	12	25	35 26	50	52	5 U	32	22	9	-14	-1! -2:
64	-14	- 8	a	16	35	38	54	4 1	30	26	- 3	-22	-22
65	-4	-13	-10	19	35	45	53	46	28	31	14	-2	-13
66	-22	-12	3		29	41	56	4.4	37	25	2	1	-27
66			-1	19	24	42	47	49	28	2.2	7	-18	-16
68	-19	-3	5	iú	27	4.3	47	44	36	20	12	-21	-2
69	-15		-1	24	35	33	51	54	42	15	12		-19
70	-13	2		19	33	43	52	5.3	33	1.0		-11	-13
MEAN													
5. D.		-											
OTAL OUS		 +-											

NOTES . (BASED ON LESS THAN FULL MONTHS)

USAF ETAC AND DOSS (OLA)

A LAT LEAST ONE DAY LESS THAN 24 OBS)

EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

726625 ELLSWORTH AFB SD
STATION NAME

39-45, 48-82

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	אטנ.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
71	-9	-20	8	25	34	4.8	45	5.0	33	17	11	-2	-21
72	-21	-7	Z i	20	33	38	45	5.0	25	13	16	-19	-2
73	-15+	-3	22	16	32	44	51	56	34	26	3	-13	-1
74	-17	0	2	21	3 5 _i	40	53	48	30	28	6:	7.	-1
75	- 7	-16	3	5	36	4 3	52	48	33	23	-4.	-7	-1
76	-16	-7	-6	27	2 3	40	53	47	33	17		-4	-10
77	-14	10	15	21	38	5 1	51	47	42	27	-10	-17	-1
78	-11	-10	- 3	29	34	36	52	40	39	27	2,	-12	-1:
79	-21	-18	7	15	2 3	3 9	51	47	3 3	27	8	-14!	-21
80	-16	- 5	-5	24	28	47	53	49	37	22	18	0 ;	-10
81	1.1	-11	18	29	3 5	4 4	52	47	40	15	15	4	-11
82	-17	-13	-1	11	32	38	51	4.8	34	24	8,	5	-1
MEAN S. D.	-12.J	-6.6 8.039	9.657	18.2	31.2	42.2 4.740	51.3	48.5	33.4	22.6	7.0 8.139	-4.8	-16.4 4.87
TOTAL OSS	1229	1157	1271	1259	1301	1237	1263	1271	1233	1271	1228	1271	14986
J			+ (BAS			HAN FU			4474		9.6.0	45 7 8 1	4770

USAF ETAC AND O-88-5 (OLA)

LAT LEAST ONE DAY LESS THAN 24 ORS)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE ಠ 'n 56

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GLOB	AL	CLIMA	TOLOGY	BRANCH
USAF	ETA	С		
AIR	WEA	THER	SERVICE	Z/MAC

PSYCHROMETRIC SUMMARY

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726625 ELLSHORTH AFE STATION NAME MONTH PAGE 1 dada-asba

WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 31 D.B. W.B. Dry Builb Wer Builb Dew Point 64/ 63 62/ 61 56/ 55 • 2 54/ 53 52/ 51 50/ 49 48/ 47 . 2 5 2 - 3 46/ 45 44/ 43 13 2 . 3 . 8 13 42/ 41 • 1 40/ 39 . 6 26 26 . 8 1.3 12 38/ 37 25 25 36/ 35 2.9 .1 41 41 25 34/ 33 42 33 42 32/ 31 3.0 49 49 40 10 30/ 29 51 52 15 2.3 2.2 28/ 27 . 1 63 26 46 46 31 24/ 23 48 28 28 1 . 4 51 22/ 21 28 28 2.5 20/ 19 42 24 68 1 . 5 42 38 18/ 17 28 28 60 16/ 15 2.0 33 33 41 . 6 46 14/ 13 32 .32 37 32 12/ 11 3.1 - 6 35 35 33 23

27 40 40 20 34 -4/ -5 . 6 21 21 28 Mean No. of Hours with Temperature Rel. Hum. = 67 F | + 73 F | + 80 F | + 93 F 5 0 F ± 32 F Total Dry Bulb Dew Point

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC 726625 ELLSHORTH AFB SD STATION NAME

PSYCHROMETRIC SUMMARY

0000-0200 PAGE 2

Temp.					,	WET	BULB .	TEMPER	ATURE	DEPRE	SSION	F)						TOTAL		TOTAL	·
(F)	0	1 - 2	3 - 4	5 . 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 . 22 2	3 . 24 2	5 . 26	27 - 28 2	29 - 30	+ 31	D.B. W.B.	Dry Rulb	Wet Bulb	Dew Po
-8/ -9	2.4	. 4							l	ì			į.		1 1			26	26	33	3
10/-11	1.6									l					L			26 15	15	18	2
12/-13	. 9							ĺ					- 1					8	8	8	
14/-15	6							L										6		6	2
16/-17	• •														l i						3
18/-19															11				İ		2
20/-21																					1
22/-23							li												ļ		i
24/-25							[<u> </u>		1
26/-27					li										l	- 1				•	j
28/-29						-															1
	11.8	45.2	2 T O	12.2	1.0	2.5	. 8	_ 4	2							- 1		l	930	}	93
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lement (X)		zx'			EX		¥			No. Obs	اما				Mess No	of Ho	er with	Temperat			
tel. Hum.			0.0.20			, -	61-4					± 0 F	1 3	2 F	# 67 F		73 F	→ 80 F	4 93 F	- -	Total
Dry Bulb		-30-31	499D	-	571 163	7.0	17-6			Ŷ.		16.5		1.5			-		1		9
Wet Bulb														1							
Dew Point			300		137		14.8	LA .O		9		-14.		2.2							9
		24	1400			a_Zi			3.DI	e 1	5.11	33.2	. 9	- 7 i		4					9

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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FORM 0-26-3 (OL A () USAFETAC

PSYCHROMETRIC SUMMARY

726625 ELLSHORTH AFR SD STATION NAME PAGE 1 0300-0500 HOURS IL. S. T.) Temp. (F) WET BULS TEMPERATURE DEPRESSION (F)

1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B. W.B. Dry Bulb Wet Bulb Dew Foin WET BULD TEMPERATURE DEPRESSION (F) 64/ 63 . 1 62/ 61 60/ 59 .1 1 56/ 55 54/ 53 4 . 2 .1 52/ 51 • 1 50/ 49 3 • 1 48/ 47 46/ 45 10 10 2 44/ 43 42/ 41 14 14 40/ 39 25 25 1.2 38/ 37 20 20 36/ 35 35 _<u>1</u> 34/ 33 1.3 2.2 40 40 40 . 8 32/ 31 11 34 30/ 29 1.3 63 63 49 28/ 27 37 37 62 26/ 25 2.3 51 51 28 24/ 23 18 18 52 25 22/ 21 40 40 40 42 20/ 19 30 30 80. 24 18/ 17 1.4 22 22 39 63 16/ 15 26 34 14/ 13 2.9 34 34 32 26 37 37 31 10/ 2.7 25 25 38 33 47 BA 33 39 2.0 20 20 28 23 61 47 47 35 27 63 51 46 11 31 31 55 35. -2/ 28 28 32 31 Element (X) No. Obs. Mean No. of Hours with Temperature Rel. Hum. 10 F = 32 F # 67 F # 73 F ≥ 80 F - 93 F Total Dry Bulb Wet Bulb

PREVIOUS EDITIONS OF THIS FORM ŏ 0-25-3

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726625 FLLSHORTH AFR SO STATION HAME

PSYCHROMETRIC SUMMARY

0 300-0 500 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 | D.B. W.B. Dry Bulb | Wer Bulb | Dew Point 14 23 24 12 31 24 -6/ -7 1.5 36 27 36 23 26 21 28 17 -8/ -9 24 -10/-11 10 -12/-13 10 -14/-15 10 -16/-17 -18/-19 -20/-21 -22/-23 12 -24/-25 -26/-27 -28/-29 -32/-33 1 TOTAL 930 930 930 930 Element (X) No. Obs. Mean No. of Hours with Temperature # 93 F 10 F # 32 F 3595975 Dry Bulb 17.216.177 15.9 75.8 16022 930 93 519150 13453 930 19.5 93

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE 0-26-3 (01

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PSYCHROMETRIC SUMMARY

726625 ELLSHORTH AFR ST STATION NAME 0600-0800 HOURS (L. S. T.) Temp. WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL

(F)	iemp.								LEWLEL										, TOTAL		IUIAL		. 1
SB S7	(F)	0	1 • 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	2 31	D.8. W.8.	Dry Bulb	Wet Bulb	Dew Poin	•
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#86 #85	52/ 51					i	. 3	.1											4	4	•	Ì	ı
46/ 45								4											4	4			_](
44/ 43	48/ 47						. 3	.4	1										7	7			П
42 / 41	46/ 45					. 4	6	1	<u></u>										11	11			
40	44/ 43					. 3	. 4	.1								[8				ſ
36/ 37					1	1.5	8																
36 / 35				. 2	. 6	1.1																	1
34 / 33			4	4	1.4	1.0	1												31		11		4
32/ 31			. 1	1.1	1.7	. 4	l l									}]				27	j	ļ
31)			2	1.6	1.6	2										ļļ						1	4
28/27 .2 2.5 3.9 1.0 70 57 16 26/25 1.2 3.2 1.0 50 66 36 24/23 1.0 .9 17 17 64 25 22/21 1.2 1.1 .1 2 2.2 2.2 94 98 20/19 .1 2.7 1.7 4 2.2 2.2 2.4 9.3 65 16/15 .3 1.3 1.2 2 2.4 9.3 65 14/13 1.8 .3 1.8 .3 2.2 2.4 9.3 65 14/13 1.8 .3 1.8 .3 2.2 2.4 9.3 65 14/13 1.8 .3 1.8 .3 2.4 9.3 1.0 2.0 18 3.9 1.0 9 3.0 55 10/9 3.0 55 3 1.28 3.3 3.3 3.3 3.3 3.3 40 8/7 3.8 .1 5 3.0 5 5 9 1 3.6 5 6 46 41 6/5 2.0 .2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2			1.2	3.0	1.1	1											1						
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22 / 21		. 2								1				ĺ									1
22 / 21																<u> </u>						36	
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16/ 15		. 1		1.7	i	İ	ĺ							1			İ					82	П
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-2/-3 1.0 3.1 3.8 3.8 5.5 3.5 -4/-5 1.0 1.3 21 1.6 29 24 24 29 3.2 -8/-9 2.2 .1 21 1.7 21 2.5 3.3 -10/-11 1.7 2 21 2.1 2.5 3.3 1.0 2.1 2.1 2.5 3.3 1.0 1.7 3.8 3.8 5.5 3.5 3.5 2.1 2.1 2.1 2.1 2.5 3.3 1.0 1.0 1.7 3.8 2.1 2.1 2.1 2.5 3.3 1.0 1.0 1.7 3.8 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1																							1
-4/ -5 1.0 1.3 21 16 29 32 -6/ -7 1.4 1.2 24 24 29 32 -8/ -9 2.2 .1 21 25 33 -10/-11 1.7 24 28 28 29 32 -8/ -9 2.2 .1 21 25 33 -10/-11 1.7 28 29 20 21 21 25 33 25 20 21 21 25 33 25 20 25 25 25 25 25 25 25 25 25 25 25 25 25	1			İ	1			1	j							ĺ	1					58	١
-6/-7 1-4 1-2 24 29 32 7 -8/-9 2-2 -1 21 25 33 1-10/-11 1-7 24 27 27 28 16 17 38 18 17 38 16 17 38 18 18 18 18 18 18 18 18 18 18 18 18 18																							١.
-8/ -9 2 2 2 1 25 33 -1 1/2 1 1 -7			1.3	1	}	- 1	ł		}	- 1	- 1	- 1	- 1			1	ļ					29	
=10/=11 1-7 Element (X)			-3+2																		- 1		
Element (X)		4.3	• 1	ł	ľ	ł	1	- 1	ł	1		ł	1		- 1	ł	1		21	21			
Rel. Hum.			ž x i		<u>'</u>	; <u>x</u>		7			No. Ob					Mean No	o. of He	urs with	Temperat	<u>1 & </u>			1
Dry Bulb Wet Bulb													2 0 F	•	32 F						,,	rotal	1
Wet Builb										_							+-			1	 		1
Dew Point										_				_			-			 			1
	Dew Point																1				-		1

FORM 0-26-3 (OL A). PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

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GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 FLLSHORTH AFR SD STATION NAME 73-82 MONTH. 0600-0800 PAGE 2

																				HOURS (L	L. 5. T
Temp.		1	T -		T	WET	BULB	TEMPER	ATURE	DEPRE	SSION	(F)			1			TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 · 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 . 28	29 - 30	e 31	 	 	Wet Bulb	
-12/-13	1.0)		ļ														9	9	9	1
14/-15	_1.0		 	╁	 	 	 	 	 	 		 -		 		ļ		9	9	9	
16/-17	• 5				1							1			[5	5	5	
18/-19	2	7	 	 	 		 		 	 		 +		 	 		 	2		2	
20/-21	• 1	'																1	1	1	
24/-25			T																		
26/-27		 		 	ļ	 			ļ					ļ			<u> </u>	 			
28/-29] 	ĺ			
34/-35		1		 -		 			-	1 1											
OTAL	12.7	44.7	24.2	0.8	5.1	2.6	1.2												930	}	9
U . A L	****					1.00												930		930	
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lement (X)		Z X 2	1		Z X	<u> </u>	X	•		No. Obs		LL]	Mean N	la. of He	urs wit	Temperat	ure		
el. Hum.			5909		562	10	60.5			9.1	0_	1 G F	Ι.	32 F	* 67		73 F	- 80 F	. 93 7	Ť	etel
ry Bulb		51	8895		158		17.1			9.3		18.	5	75.7							
Vet Bulb		34	0315		132		14.3	14.3	39	93		21.	۰	24.9						T	
Dew Peint		23	4274		_44	32	_5.2	15.0	7.7	9 1		34.	5	92.9							

FORM 0-26-3 (OL A): PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

PSYCHROMETRIC SUMMARY

726625 ELLSHORTH AFR SO STATION NAME 0900-1100

																				HOURS (L. S. T.1
Temp.											SSION (TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	e 31	D.B. W.S.	Dry Bulb	Wet Bulb	Dew Pa
66/ 65								[.1						T		1	1		
64/ 63							<u> </u>	<u>L</u>	<u> </u>	1						<u> </u>		i	i		
62/ 61									. 2	.1]							3	3		
60/ 59		<u> </u>			<u> </u>			2										2	2		
58/ 57							.1	.4	. 1	ļ		ļ	į			i		6	6		
56/ 55					<u></u>	i	. 5	-4	1	<u> </u>								10	10		<u> </u>
54/ 53						. 1	. 2	.4	[ĺ	ĺ			-		7	7		
52/ 51						3	3	3										9	9		
50/ 49					. 1	. 4	.8	.3							i i	į		15	15	1	
48/ 47					3	1.0	وم											20	20	2	
46/ 45					.6	3.4	. 5				1					1		24	24	6	
44/ 43			2	2	1.4	1.0	_	ļ	Ļ						ļ			27	27	11	
42/ 41			. 2	- 5	1.1	. 8	ļ	1	ļ			1				-		24	24	13	
40/ 39		1	1	1.4	1.1	-3	1											29	29	22	
38/ 37		- 1	. 8	1.8	1.6			[[1				- 1		40	40	32	
36/ 35		2	1.5	1.9		1		ļ										39		45	
34/ 33		• 3	1.5	• 9	.5	• 1		1				ŀ	ļ			i		31	31	47	7
32/ 31		1.0	2.4	1.8	1													49	49	51	1
30/ 29		1.5	1.7	1.1								į	!		ľ			40	40	56	21
28/ 27		1.6	1.9	6					<u> </u>		ļ					}		39	19	54	3
26/ 25		1.0	1.7	• 2	- 1									ĺ				28	28	46	49
24/ 23		3	6	1	-													10	10	39	51
22/ 21		. 8	1.6	• 2								1	İ	- 1		İ		24	24	23	6
20/ 19		1.7	2.2	- 4				ļ				+						40	40	19	75
18/ 17	• Z	1.2	• 6	• 1	ļ i							1	1	- 1				20	21	35	40
16/ 15	2	1.8	-1-0												+			28	29	38	5(
14/ 13		3.5	. 8											ļ		1		39	39	28	36
12/ 11		2.4																28	29	32	35
10/ 9	. 2	2.6	• 3	1								ļ	1	l				29	29	36	16
8/ 7		4-17	3						-							<u>-</u>		40	40	30	
6/ 5		1 • 3	• 1													i		13	13	38	23
																		3A		28	36
2/ 1		5.5										1		}				51	51	42 50	1 4
Element (X)		E y			Σχ		Ţ	•	<u></u>	No. Ob					Mean No	o of Hou	era with	Temperat		- 5111	
Rel. Hum.		-2						·				2 0 F		32 F	≥ 67 ₹	 -	73 F	- 80 F	* 93 F	7	otol
Dry Bulb																 			1		
Wet Bulb								·			- 1					_			 		
Dew Point						-+-													+		

USAFETAC FORM 0-26-3 OL A PREVIOUS FUTIONS OF THIS FORM ARE OBSOLETE

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PSYCHROMETRIC SUMMARY

726625 ELL SHORTH AFR SD STATION NAME

1900-1100 HOURS (L. S. Y.) PAGE 2

Temp.								TEMPER										TOTAL		TOTAL	
(F)	0	1 - 2	3 . 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 . 30	× 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Pai
-2/ -3	. 5	2.9	ĺ	1										1	-		1	32	32	43	35
-4/ -5	3	1.2	ļ				<u> </u>	-				L			ļ			14	14	16	35
-6/ -7	. 5	. 8				!						1						12			27
-8/ -9	1.2		ļ	ļ	ļ	ļI	<u> </u>	 			L	 			<u> </u>	ļ		14	14	18	
-10/-11	• 6						ļ .									1		6	6	8	
12/-13	5					 	ļ	ļI			 				ļ	ļ	ļ	5	5	5	14
-14/-15	- 1			1]	1 1						!]			1	1	1	30
-16/-17				 			 				 			ļ	ļ	ļ!	 -	ļ	ļ	ļ	26
18/-19	• 1					;]					i l		1	1		'	ĺ	1	1	1	
-20/-21			 			 	 -	├				 +		 	ļ	ļl	 	ļ		 	1.5
-22/-23							1		l				Ì		!	. 1	(1	5
24/-25				 		 	├	 				 		ļ	 	ļ	 	 			4
-26/-27	1)		1 1	. !					1	}	!	1	1 !	ĺ	1	1	l	2
-32/-33												r 		 	 	 		 	0.10	ļ	1
TOTAL	6 . 3	42.0	20.5	11.4	7.4	2.2	3.0	2.2	. 4	• 3	ı J							007	930		927
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Element (X)		E N.			Ex		¥	₹		No. Ob					Mean h	to, of He	ura with	h Temperet	ur•		<u> </u>
Rel. Hom.			4770		526	74		13.60	10		27	10F	77.	32 F	# 67		73 F	- 80 F	• 93 F	1	Total
Dry Bulb			8007		202			17.56			30	12.	_	54.2		\dashv			1	-	93
Wet Bulb			0377		166			14.74			27	15.		75.0					1		93

USAFETAC FORM 0.26-3 (OL A. "REVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 10-26-3 (OL A. PREVIOUS EDITIONS OF 1415 FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR HEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 ELLSHORTH AFB SO STATION NAME MONTH ...

1200-1400 HOURS (L. S. T.) PAGE 1

Temp.											ESSION (TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	× 31	D.B. W.S.	Dry Bulb	Wet Bulb	Dew Poin
68/ 67										.1								1	1		
66/ 65								-01	L	2	2							5	5	1	İ
64/ 63		T	Ī						. 3		.1	7		T				6	6		
62/ 61		1			i		!	-1	2	.2			i					5	5		
60/ 59		T					• 1	•6	• 2									11	11		
58/ 57		1					. 2	.4	2				1				1	8	8		1
56/ 55		T					. 2	1.0	. 1	.1								13	13		
54/ 53			i			1	8	2		1	l		Ĺ				<u> </u>	16	16	l	
52/ 51					. 1	. 6	. 8	•6		1					[i	20	20	1	
50/ 49			L		- 5	. 5	8	1		<u> </u>					ļ . 1	_	l	18	18	2	İ
48/ 47				. 1	. 4	1.7	1.2											32	32	10	
46/ 45		<u> </u>	2		1.4	1.7	. 3			l					<u> </u>		<u> </u>	34	34		İ
44/ 43		Ţ		• 2	. 8	-4	• 4			1	[[į	17	17	14	
42/ 41		Ĺ	2	2	1.0		4			l				<u> </u>				24	24	37	
40/ 39		.2	. 4	.6	1.9	. 3				ĺ		[ĺ		ĺ	33	33	27	
38/ 37		.2	1.2	2.5	. 4	- 6				L							<u> </u>	46	46	50	2
36/ 35		. 2	. 4	2.0	. 9	. 1]	34	34	43	2
34/ 33		6	1.1	1.8	2													35	35	 . .	7.
32/ 31		1.6	2.2	1.2	. 1	ĺ								}			ĺ	47	47	62	27
30/ 29		1.0	1.2	1.2	1									ļ				32	32	50	35
28/ 27		. 3	2.0	. 8	ĺ	ĺ	ſ			[l '	ĺi	j	į i			1	29	29	59	43
26/ 25		1.4	1.2	8	2							 						33	33	24	58
24/ 23		- 1	1.6	. 3	- 1						1			Į				19	19	44	29
22/ 21		1.0	1.2	2														22	22	24	59
20/ 19	. 1	1.7	2.6	• 3		ľ		ŀ				1	. !					44	44	32	79
18/ 17	4	1.1	1.6							<u> </u>	ļ							29	29	36	48
16/ 15		1.5	. 9	İ		ł							, ,					22	22	32	48
14/ 13		3.0																32	32	34	35.
12/ 11		1.3	1.0	j	j	ļ	j	J]]			J			21	21	28	34
10/ 9		3.9	1.3							ļ	ļi							48	4.8	28	29
8/ 7		3.8	. 1	ļ		1	ĺ				1							36	36	45	37
6/ 5		1.5									 							14	19	38	34
4/ 3		3.9				ł	i 1											36	36	29	23
2/ 1		<u> 5.11</u>						ليـــــــــــــــــــــــــــــــــــــ		L					<u> </u>			- 27	47	36	33
Element (X)		rx,			E X		<u>x</u>	<u>",</u>		No. Ob	**							Temperat			
Dry Bulb												1 0 F	-+	32 F	• 67		73 F	• 80 F	• 93 F		Total
Wet Bulb											+					-+		<u> </u>	 		
Dew Point													+								
NAM LOIM																		L			

PSYCHROMETRIC SUMMARY

726625 ELLSHORTH AFR SO STATION NAME JAN MONTH 1200-1400 HOURS IL. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F)

1-2 3-4 5-6 7-8 9-10 11-12 3-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 231 D.B. W.B. Dry Bulb Wer Bulb Dew Point .6 1.5 20 17 0/ -1 20 37 27 -2/-31.8 41 -4/ -5 .3 1.0 12 14 43 19 -8/ -9 . 5 37 -10/-11 27 -12/-13 15 -14/-15 -16/-17 19 -18/-19 -20/-21 -22/-23 2.538.020.812.3 8.1 7.0 5.2 3.2 1.7 1.1 TOTAL 930 930 930 Element (X) No. Obs. = 67 F = 73 F = 80 F = 93 F Rel. Hum. # 0 F 1 32 F 2902872 930 Dry Bulb 919336 25.917.814 930 57.2 27 Wet Buib 607904 19638 9.30

669-052

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A 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

TAC FORM 0-26-3 OL A PRI

PSYCHROMETRIC SUMMARY

726625 ELLSHORTH AFR SO STATION NAME 1500-1700 HOURS (L.S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1.2 3.4 5.6 7.8 9.10 11.12 13.14 15.16 17.18 19.20 21.22 23.24 25.26 27.28 29.30 = 31 O.B. W.B. Dry Bulb Wet Bulb Dew Point 66/ 65 62/ 61 60/ 59 5 • 5 58/ 57 9 56/ 55 13 13 54/ 53 . 1 15 52/ 51 15 15 50/ 49 48/ 47 22 23 23 46/ 45 1.2 1.1 25 25 1.0 27 27 18 42/ 41 1.4 33 30 33 40/ 39 42 42 31 38/ 37 .4 1.9 1.3 34 33 48 36/ 35 7 34/ 33 2.0 2.5 54 54 36 . 8 . 5 20 34 50 64 32/ 31 35 61 30/ 29 1.7 1.3 35 55 40 27 27 28/ 27 1.0 27 27 41 66 26/ 25 1.5 16 24/ 23 31 61 22/ 21 2.0 28 28 35 35 27 20/. 19 35 35 36 36 18/ 17 1.9 35 16/-15 35 30 34 34 33 14/ 13 32 31 34. 12/ 11 42 40 40 40 3.9 10/ 37 36 37 3.9 37 8/ 26 26 40 35 2.8 5 25 38 11 .35 41 31 2/ 4.9 No. Obs. Mean No. of Hours with Temperature Element (X) +67 F → 73 F . 80 F Rel. Hum. 107 1 32 F Dry Bulb Wet Bulb

73-82

PREVIOUS EDITIONS OF ŏ

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GLOBAL CLIMATOLOGY BRANCH PSYCHROMETRIC SUMMARY 2 USAFETAC AIR WEATHER SERVICE/MAC 726625 ELLSHORTH AFR SD STATION NAME 73-82 JAN 1500-1700 PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 31 D.B. W.B. Dry Bulb Wer Bulb Dew Point -2/ -3 2.4 22 22 28 15 10 ...38 -4/ -5 -6/ -7 • 3 4 4 12 25 -A/ -9 ..9 22. 37 6 6 -10/-11 4 -12/-13 -14/-15 9 26 -16/-17 14 -18/-19 20 -20/-21 ..6 -22/-23 1 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE -24/-25 TOTAL 3.042.220.013.7 8.5 6.1 3.3 1.7 1.1 930 927 927 ಠ 26.3 Element (X) Meen No. of Hours with Temperature Rel. Hum. 3115174 Dry Bulb 801418 22249 24.014.960 930 60.1 93 Wat Bulb 19.414.097 548210 93 18374 927 73.4

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سالا در و د سمندی ادامهای

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC ELL SWORTH AFR SD STATION NAME

PSYCHROMETRIC SUMMARY

1800-2000 HOURS (L, 5, T,) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B., W.B. Dry Bulb Wet Bulb Dew Point 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 = 31 62/ 61 • 3 60/ 59 56/ 55 54/ 53 • 3 5 5 • 2 52/ 51 507 49 48/ 47 46/ 45 44/ 43 1.6 . 2 25 25 42/ 41 40/ 39 19 19 38/ 37 41 41 20 36/ 35 1.1 2.7 30 37 37 34/ 33 58 .3 3.4 32/ 31 2.0 54 55 51 30/ 29 20 31 54 55 28/ 27 1.7 2.3 42 66 <u>68</u> <u>57</u> 26/ 25 35 35 24/ 23 1.4 18 18 221 21 2.3 20/ 19 1.8 38 38 20 67 18/_17 31 42 16/ 15 2.2 30 30 48 28 36 14/ 13 2.6 27 28 28 3.6 12/ 11 37 37 35 10/_ 8/ 7 3.4 33 40 39 33 20 27 39 31 35 29 33 47 43 42 41 40 40 53 53 0/ -1 1.8 1.9 48 35 35 27 26 -4/ -5 . 5 25 25 Mean No. of Hours with Temperature Ral. Hum. ≠ 73 F ≈ 67 F 10 F . 80 F Dry Bulb Wet Bulb

ö PREVIOUS EDITIONS ಠ ó FORM 2

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PSYCHROMETRIC SUMMARY

726625 ELLSWORTH AFB SD 73-82 YEARS YEARS JAN MONTH

PAGE 2 1800-2000 HOURS IL. S. Y.)

,,,																			,		(L. 5. T.)
Temp.			,	·		WET	BULB	TEMPER	ATURE	DEPRE	SSION	F)			,	,		TOTAL		TOTAL	
(F)	0	1 - 2	3 · 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 . 20	21 - 22	23 - 24	25 . 26	27 - 28	29 - 30	- 31	U.B. V.B.	Dry Bulb		· • · · · · · · · · · · · · · · · · · ·
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Element (X)		Z X'			Σχ		X	•,	Т	No. Ob	8.				Mean I	lo. of H	ours wit	h Tempero	ture		
Rel. Hum.			1747		543		60.7				28	1 0 F	-	32 F	× 67		73 F	- 60 F	- 93 1		Total
Dry Bulb			2945		_\$&3 _183	3 7	19.7	1 - 7	20		30	12.		69.9				1			9.1
Wet Bulb					_154 _154		16.6				28			82.A				†	1		9
Dew Peint			1241				7.8				28	30.		92.6	 			 			9.1
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FORM 0-26-3 (OL A. PREVIOUS EDITIONS OF THIS FORM ARE

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726A25 FLISHORTH AFR SD STATION HAME

PSYCHROMETRIC SUMMARY

PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) Temp. TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point 64/ 63 . 1 62/ 61 58/ 57 • 1 56/ 55 54/ 53 52/ 51 50/ 49 . 2 . 2 48/ 47 46/ 45 44/ 43 9 42/ 41 1.0 21 21 40/ 39 38/ 37 . 8 1.1 1.3 29 29 14 36/ 35 31 31 34/ 33 2.6 2.3 51 51 32 59 59 31 1.8 30/ 29 2.8 1.1 55 55 17 63 28/ 27 39 78 1.2 2.3 26/ 25 . 1 35 34 35 59 24/ 23 40 30 37 .9 1.3 22/ 21 20 20 46 72 2.6 20/ 19 2.6 51 19 51 18/ 17 .3 1.5 . 8 - 1 25 25 49 59 16/ 15 27 32 14/ 13 2.8 25 . 6 32 32 38 12/ 11 3.5 39 39 35 10/ .6 2.6 30 30 46 35 8/ 35 4.1 39 37 39 41 38 61 5 2.0 19 19 33 41 40 40 36 21 .3 5.1 50 1 50 42 32 0/ 25 38 30. 25 -2/ -3 . 6 31 30 30 23 Element (X) Mean No. of Hours with Temperature 1 32 F 10 F = 67 F = 73 F ≥ 80 F - 93 F Total Dry Bulb Wet Bulb Dew Point

73-82

0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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USAFETAC FORM 0-26-

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL	CLIMA	TOLOGY	BRANCH
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AIR WE	ATHER	SERVICE	E/HAC

PSYCHROMETRIC SUMMARY

726625 ELL SNORTH AFR SD STATION NAME

-82_____

MONTH

PAGE 2 2100-2300 HOURS (L. S. T.)

Temp.					,			TEMPER							T			TOTAL		TOTAL	
(F)	0	1 . 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 . 20	21 - 22	23 . 24	25 - 26	27 - 28	29 - 30	• 31			Wet Bulb	
-6/ -7	1.4	1.8							!						li		1	30	30	31	4
-8/ -9	2.4			 		ļ	├ ──				<u> </u>	├ ──		ļ				22	T	35	
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12/-13			├	 	 	 -	 	 		ļ	ļ	 		 	├ -			4	<u> </u>	4	
14/-15	• 2		ļ] /	j]	j] !]]))		J	2	2	2	3
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18/-19			i			']				- 1		į	1	1	1
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22/-23		1	ĺ]]		1 !								1]			1			
24/-25				┼		 	 					 		 	 			 	 	 	
26/-27						ĺ	į l							}	l í	-					
28/-29			~ !!	12.8	10 61	 			-					 	 			} -	0.70		
OTAL	7.2	40.4	24.1	12.0	4 . 4	1 •	1.0	•4	• 1							-		930	930	930	93
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Element (X)		Σχ'		1	Σχ		X	T.		No. Ob				·	Mean N	o. of Ho	urs with	Temperat	Ure		
tel. Hum.		16.2/	8781		670	0.1	41.4	11.54		0	30	10F		32 F	z 67	F .	73 F	≥ 80 F	≥ 93 F	Υ Υ	otel
Ory Bulb		54	1471		170			15.7			30	14.	3	73.6							9
Wet Bulb			9179		143	A 5		13.75			30	17.		84.0					1	1	9
New Point			4217		62			14.4			30	_32.		92.6							9

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PSYCHROMETRIC SUMMARYE

726625 ELLSHORTH AFR SD STATION NAME

73-82

PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B. W.B. Dry Bulb Wer Bulb Dew Point 68/ 67 66/ 65 .0 64/ 63 • 0 13 13 62/ 61 20 20 .0 60/ 59 22 22 . 2 58/ 57 Ω. 20 20 56/ 55 .0 43 43 47 54/ 53 . 4 68 68 52/ 51 • 0 .1 50/ 49 70 70 48/ 47 97 97 •0 121 121 46/ 45 29 133 44/ 43 133 52 42/ 41 158 158 40/ 39 . 4 1.1 , 2 • 0 208 208 114 2 1.1 38/ 37 274 274 175 36/ 35 281 282 145 345 294 34/ 33 1 . B 34 32/ 31 413 . 8 411 2.9 1.7 370 30/ 29 375 376 451 28/ 27 .0 1.5 2.2 329 329 497 252 26/ 25 298 298 426 359 24/ 23 157 157 362 254 22/_21 196 196 277 454 -1 1-9 322 20/ 19 322 185 604 2.2 18/ 17 226 227 306 426 16/ 15 .2 1.8 220 221 290 375 280 14/ 13 251 251 223 248 12/ 11 263 265 259 10/ 279 279 295 260 .0 3.6 313 8/ 7 275 275 318 263 240 156 156 313 313 277 218 Mean No. of Hours with Temperature Rel. Hum. Wet Bulb

ö EDITIONS PREVIOUS ಠ 0-26-

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726625 ELLSHORTH AFR SO STATION NAME

PSYCHROMETRIC SUMMARY

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PAGE 2' HOURS (L. S. 1,1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B. W.B. Dry Bulb Wer Bulb Dew Point 1.3 2.0 243 331 243 243 0/ -1 220 220 275 266 -4/ -5 . 5 1.5 154 154 142 301 134 134 153 247 -61 -7 • 9 -8/ -9 1.5 . 1 125 125 176 262 -10/-11 88 246 82 82 -12/-13 39 39 39 136 • 5 -14/-15 28 28 28 223 -16/-17 186 . 1 6 -18/-19 3 3 158 -20/-21 1 1 1 120 -22/-23 57 -24/-25 45 -26/-27 18 -28/-29 8 -32/-33 -34/-35 1 7432 TOTAL. 7432 7432 Element (X) Mean No. of Hours with Temperature Rel. Hum. ≥ 67 F × 73 F → 93 F 2 0 F ≤ 32 F Total 27133277 438615 59.012.957 7432 Dry Bulb 744 150199 103.5 551.0 5146213 20.216.858 7440 Wet Bulb 3637729 124975 16.814.378 7432 124.3 638.3 744 Dew Point 74 12 744

73-82

FORM 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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AC FORM 0.24.3 (OLA PREVIOUS EDITIONS

PSYCHROMETRIC SUMMARY

726625 ELLSHORTH AFB SD STATION NAME

0000-0200 HOURS (L. S. T.) PAGE 1

Temp.					,				ATURE									TOYAL		TOTAL	
(F)	0	1 . 2	3 - 4	5 . 4	7 . 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	× 31	D.B. W.B.	bry Bulb	Wet Bulb	Dew Po
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44/ 43				.7	• 5	. 4												13	13	1	ļ
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36/ 35			1.2	1.9	. 4													29	29		ļ
34/ 33		. 8	1.0	2.8	6			,				1	Ì	١ .				52	52	47	
32/ 31	. 2	1.8	3.6	3.2	. 2													76	76	61	1
10/ 29	. 4	2 - 4	4.6	. 4	• •								Ì		1			67	67	59	
8/ 27	. 2	2.0	2.8	. 7														49	49	87	
6/ 25	••	1 4	1.9	5							- 1	[32	32	77	
4/ 23	. 4	. 9	1.3	_														22	22	46	
2/ 21	. 2	2.5	1 - 3	1						:	İ	ŀ		i	İ			34	34	36	
0/ 19	. 4	2.5	1.4						-									36	36	38	,
B/ 17	• •	3.1	1								ĺ	ļ	1					35	. 35	26	
6/ 15		3.0	. 7	. 1														32	32	39	
4/ 13		3.0	• •	• •												Ì		30	30	34	
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0/ 9	• 4	4.3	• 5			1					- 1	1		Ì	ĺ			32 3A	38	33	
8/ 7	• 1	3.4	• •															30	30	39	
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l. Hum.											-	10F	1	32 F	≥ 67		73 F	* 80 F	• 93 F		Total
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et Bulb			+										+			-					
ew Point									-												

USAFETAC FORM 0.26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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PSYCHROMETRIC SUMMARY

FER MONTH 726625 ELLSHORTH AFR SO STATION NAME

0000-0200 HOURS IL. S. T.) PAGE 2

Temp.						WET	BULB	TEMPE	RATURI	DEPRE	SSION	(F)					,	YOTAL		TOTAL	,
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 2	3 - 24	25 - 26	27 - 28	29 - 30	- 31	U.B. W.B.	Dry Bulb		
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TOTAL	6.9	43.7	24.3	15.5	5.6	2.0	1 1.3	. 7	. 1			1 1							845		L_:
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Element (X)		Σχ'			Σχ	' T	X	· ·	' 	No. Ob	5.	<u> </u>			Mean N	o. of Ho	ours with	Tempera	ture		·
Rel. Hum.			14246		531	02	62.8		-		45	± 0 F	4	32 F	≥ 67	F	73 F	≥ 80 F	₽ 93 F	: 1	Tota
Dry Bulb		60	0556		191		22.6	14.0	75		45	7.	3 6	2.3							
Wet Buib		<u>L</u> L	6322		164		19.5				45			4.3		\Box					
Dew Point			7446		94			12.9			45	16.		3.7		Ī					

PSYCHROMETRIC SUMMARY

726625 ELL SHORTH AFR SO STATION NAME

PAGE 1

0300-0500 HOURS IL. S. T.1

Temp.			,								DEPRI					r			TOTAL		TOTAL	4
(F)	0	1 . 2	3 - 4	5 - 6	7 - 8	9 - 10	111	. 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	0 * 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Po
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36/ 35	1	1	1.4	2.7	4					<u> </u>		<u> </u>			ļ		ļ	<u> </u>	40	40	25	
34/ 33		1.1	2.6	2.4	• 2							1	ļ		1	1			53	53	33	
32/ 31	. 4	1.2	3.7	2.1	2						<u> </u>	<u> </u>			<u> </u>		<u> </u>		64	64	70	1
30/ 29	. 4	. 6	3.8	1.9												i -	}		56	56	67	1
28/ 27	6	2.0	2.5	6						Ĺ	<u> </u>				<u> </u>	<u> </u>		1	48	48	6.9	2
26/ 25	. 4	1.9	2.0	.7									_		1	1			42	42	75	3
24/ 23	4	_1.8	1.1	2											<u> </u>				29	29	48	3.
22/ 21	. 1	2.7	1.5	. 1										•					38	38	50	
10/ 19	7	3.2	8						_			<u> </u>					1	1	4.3	43	42	7
18/ 17		3.4	. 5	• 1			7	_ [i	1	34	34	30	7
16/ 15		2.6	. 9			l	1								1		İ		30	30	39	41
14/ 13	. 1		• 5															7	40	40	29	41
12/ 11	7 -	3.3								l.						l	1		30	30	44	5
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el. Hum.		_2							^				± 0 F		32 F	≥ 67		73 F	■ 80 F	• 93 F		Tutal
ry Bulb															34 1			- /3		+ 73 7		
er Bulb																 			 	+		
ew Paint																				+		
1 0101																			L			

USAFETAC FORM 0-26-3 OL A; PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH PSYCHROMETRIC SUMMARY USAFETAC AIR WEATHER SERVICE/HAC 726625 ELLSHORTH AFR SD STATION NAME 73-82 FEB 0300-0500 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) Temp. (F) TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 O.B. W.B. Dry Bulb Wer Bulb Dew Point -14/-15 -16/-17 10 14 5 ...7 -18/-19 -20/-21 -22/-23 3 -24/-25 -26/-27 1 -28/-29 -30/-31 2 -32/-33 2 8.943.322.815.5 6.5 1.7 846 846 TOTAL PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE ∢ Q 0-26-3 Element (X) No. Obs. Mean No. of Hours with Temperature = 0 F : 32 F • 93 F 3543409 53403 63-114-283 846 Dry Bulb 573689 18583 22.013.995 846 7.0 63.0 84

18-912-210

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428266

Wet Bulb

726625 ELLSHORTH AFR SO STATION NAME

PSYCHROMETRIC SUMMARY

FEB

0600-0800 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B. W.B. Dry Bulb Wet Bulb Dew Poin 56/ 55 . 1 52/ 51 50/ 49 • Z 3 3 48/ 47 46/ 45 12 12 44/ 43 8 42/ 41 14 14 26 38/ 37 38 38 12 36/ 35 54 54 34/ 33 3.2 3.0 60 60 35 52 52 60 30/ 29 1.1 3.8 63 63 28/ 27 63 41 41 36 26/ 25 36 48 39 39 54 76 22/ 21 2.2 29 29 47 20/ 19 47 35 . 9 18/ 17 . 1 3.3 . 1 38 38 41 44 16/ 15 31 31 48 55 14/ 13 3.0 37 37 28 2.8 26 26 31 62 10/ 2.7 24 24 36 41 8/ 61 5 • 9 10 10 26 21 30 2.6 26 26 27 43 0/_-1 13 13 23 28 -2/ -3 17 17 13 16 -6/ -7 8 20 8 8 -8/ -9 17 -10/-11 22 6 Element (X) * 73 F ± 0 F ≤ 32 F ≥ 67 F ≥ 80 F • 93 F Total Dry Bulb Wet Bulb Dew Point

669-052

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ORM 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM

AFETAC FORM 0.26-3 OLA

GLOBAL CLIMATOLOGY BRANCH PSYCHROMETRIC SUMMARY USAFETAC AIR WEATHER SERVICE/MAC 726625 FLI SHORTH AFR SD STATION NAME EEB. PAGE 2 WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 e 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point Temp. 0 14 -14/-15 -16/-17 -18/-19 4 -20/-21 -22/-23 4 -24/-25 -26/-27 3 -28/-29 -32/-33 1 -34/-35 8.241.525.316.3 6.0 2.0 TOTAL 846 846 . 1 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE 846 846 0-26-3 OL A FORM Y Element (X) Mean No. of Hours with Temperature Rel. Hum. 4 32 F ≈ 73 F ≥80 F → 93 F 62.513.967 22.013.818 ± 0 F 3471781 52893 Dry Bulb 18603 570401 61.9 84 846 Wet Bulb 425343 15995 18.912.062 846 84

726625 ELLSHORTH AFR SO STATION NAME

PSYCHROMETRIC SUMMARY,

FEB

PAGE 1 0900-1100 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 31 | D.B. W.B. Dry Bulb | Wer Bulb | Dew Point 66/ 65 . 1 64/ 63 62/ 61 2 60/ 59 58/ 57 8 8 56/.55 54/ 53 .4 . 1 . 8 14 14 52/ 51 31 50/ 49 1.1 48/ 47 26 46/ 45 1.8 1.2 . 8 .1 34 34 44/ 43 35 35 10 42/ 41 . 7 1.5 1.8 36 36 20 48 48 34 38/ 37 1.2 1.7 1.1 38 38 60 36/ 35 39 39 46 34/ 33 2.4 42 42 68 32/ 31 49 49 61 18 30/ 29 1.8 . 9 • 1 1.4 . 1 37 37 52 27 26/ 27 22 22 43 62 26/ 25 1.4 . 2 27 27 31 64 24/ 23 19 19 22/ 21 1.7 26 26 36 71 26/ 19 11 33 27 64 18/ 17 3.7 43 43 29 16/ 15 31 11 37 54 14/ 13 .1 3.6 34 34 38 43 12/ 15 15 34 10/ 9 3.4 . 2 31 31 23 28 8/ 15 15 26 3.7. 5 6/ 1.1 10 10 16 18 33 14 10 14 2/ .2 1.8 17 17 18 Mean No. of Hours with Temperature Rel. Hum. = 0 F 1 32 F # 67 F # 73 F Dry Bulb Wot Bulb

73-82

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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_OBAL CLIMATOLOGY BRANCH USAFETAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC 726625 ELLSHORTH AFR SD STATION NAME FEB. PAGE 2 0900-1100 HOURS IL. S. T.1 WET BULB TEMPERATURE DEPRESSION (F) Temp. (F) TOTAL TOTAL 1 · 2 3 · 4 5 · 6 7 · 8 9 · 10 11 · 12 13 · 14 15 · 16 17 · 18 19 · 20 21 · 22 23 · 24 25 · 26 27 · 28 29 · 30 * 31 D.B. W.B. Dry Buib Wer Buib De -2/-314 1.3 14 13 21 -4/ -5 10 10 17 -6/ -7 . 1 • 7 7 7 7 16 -8/ -9 1 1**.** 13 -10/-11 3 3 7 -12/-13 -14/-15 9 10 -16/-17 4 -18/-19 9 -20/-21 4 -22/-23 2 S OBSOLETE -24/-25 -26/-27 2 -34/-35 .2. PREVIOUS EDITIONS OF THIS FORM ARE -36/-37 1 TOTAL 3.635.516.014.712.5 9.1 5.0 2.0 845 845 845 845 1 (∢ ŏ 52 50. 20.7 27.7

No. Obs.

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56-216-646 28-015-968

23.342.897

: 0 F

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€ 32 F

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59.4

43.0

Mean No. of Hours with Temperature

→ 93 F

Total

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Element (X)

Rel. Hum.

Dry Bulb

Wet Buib

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PSYCHROMETRIC SUMMARY

726625 ELLSHORTH AFR SO STATION NAME FEB.

> 1200-1400 HOURS (L. S. T.) PAGE 1

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6/ 55			ļ				. 4	1.2	.7	.2			1	Ì	İ	1		21	21]
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Bulb												- -	† <u>*</u> -	+		-+-			1		-: · · · -
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USAFETAC FORM 0.26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

726625 ELL SHORTH AFR SD STATION NAME

PAGE 2 1200-1400

T						WET	BILL C	TEMPER	A T110 =	DEBAS	: CLON:	(#)	_					T2024			(L. S. T.)
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Wet Bulb		4114			272			16.57		8	7	2.		0.2		5					84
			1518		2211			12.71		81				1.6							B4
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FORM 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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USAFETAC

PSYCHROMETRIC SUMMARY

726625 ELL SHORTH AFR SO STATION NAME FEB. 1500-1700 HOURS IL. S. T.) PAGE 1

Temp.						WET	BULE	TEMPER	ATUR	F DEP	ESSIO	2 /E)						TOTAL			L, S, T,)
(F)	0	1 . 2	3 - 4	5 - 6	7 - 8	9 - 10	11.12	13 . 14	15 . 14	5 17 . 1	R 19	20 21 -	22 23	24 25 - 2	A 27 . 28	22 . 10	. 12	D.B. W.B.	Dev Bulk	TOTAL	Daw Bois
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48/ 47				• 5	. 4	2.0	1.5		. 1		T							38	38	4	
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38/ 37			7	2.6	1.8	6				<u> </u>	 							48	48	62	
36/ 35		• 2	1.9	2.6	1.3	}	J	J				-	-	1	j			51	51	55	6
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Dry Bulb				~																	
Wet Bulb																				I	
Dew Point			1			1	- 1								1				T		

FORM C-26-3 OL A: PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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USAFETAC

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GL 0B	AL	CLIMA	TOLOGY	BRANCH
USAF	ET/	\C		
AIR	WEA	THER	SERVICE	/HAC

PSYCHROMETRIC SUMMARY!

STATION	EL	LSHO	RTH	AFB.	SD TATION N	AME				23-	82				YEARS					F.E	B
																		PAGE	2	1500-	.1.7 <u>0</u> (
Temp.				_		WET	BULB	TEMPER	ATURE	DEPRE	SSION	(F)						TOTAL		TOTAL	
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ry Bulb			6174		264			16.03		8.	46_		2.8	40.0		-1	 -	ļ	ļ		8
Vet Bulb		-68	9161		216	57	25.7	12.58	2	8.	44		100	54.8				1	<u> </u>		8

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PSYCHROMETRIC SUMMARY

726625 ELLSHORTH AFR SD STATION NAME

FEB

1800-2000 HOUNS (L. S. 1.) PAGE 1

Temp.												SSION				- 1			TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 . 8	9 - 10	11 - 12	13 -	14 :	5 - 16	17 - 16	19 - 20	21 - 2	2 23 - 2	4 25 - 2	6 27 - 28	29 - 30	+ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Pu
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44/ 43				. 8	.9				-			T	1	1	1				22	22	3	1
42/ 41		. 1	. 5	1.1	1.8	A								1	1			ļ	36	36	7	
40/ 39		.1	1.1	3.1	7.1		. 1	T-	_			1	1	1	1			1	55	55	15	!
38/ 37		. 1	1.9	3.1	1.4	- 4	••	`				1		ĺ	Ì			i	58	58	33	i
36/ 35		.4	1.2	3.6	.6				7			T	1		1	1			48	48	45	
34/ 33		1.1	2.2		-6		ĺ	ł			1	ĺ	1	1	1		i	l	53	53	72	
32/ 31		. 8						1	_			1			1	1			56	56	69	24
30/ 29	i	1.7	2.7	2.0			ļ	1					1	1	ĺ			l	54	54	74	1
28/ 27		2.0	3.7	. 2					_				1	1	1				50	51	67	4 5
26/ 25	_ 1	1.2	1.7	- 2			ł					1	ł	1	1			ł	27	27	65	50
24/ 23	. 4	. 9	.9						+	-			1						19	19	53	50
22/ 21		. 7	- 7	. 2			}		1		1	}	1	1	1				15	15	28	76
20/ 19	. 2	2.7	1.9	. 1			<u></u>	†—	╅					1	 	1		ļ	42	42	12	10
18/ 17	• 4	7.7										}	1					ŀ	32	32	40	4
16/ 15	. 2	3.1	1.1	. 1				_					 		 	1			38	38	46	5 :
14/ 13	• 2	2.6	1	• •			!									!			23	23	23	4
12/ 11			-					 	+					1		1			29	29	28	4
10/ 9	1	2.8	• 6						1			ļ	1						28	29 28	34	3
8/ 7		1.5	• 2					†	+				†	 	 	†——			15	15	29	27
6/ 5	l	1.5	- 1	1									1	1	1	1			13	13	1.5	2
4/ 3								t	+			i		 		1				7	12	
2/ 1	. 2	.6 2.0	1	1								}	ł	ł	1		i		7 18	18	10	2
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-4/ -5	- 4	. 7				l							{		1		1		9	9	8	1
-6/ -7	6	1+1						 -			<u> </u>		 	 	 	 			14	14	13	
-8/ -9	• 1	- 2		ł		1		1						1	1	1	Ì		3	3	8	1 2
Element (X)		Z X 2			- X		¥	 _	<u>-</u> -		No. Ob	. 1	<u> </u>	Щ	<u> </u>	Hear N	lo of H-		Temperat			1
Rel. Hum.						-+-	_^	 	<u>*</u>	+	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		= 0	<u> </u>	: 32 F	≥ 67		73 F	± 80 F	• 93 F		Total
Dry Bulb						+		├─-					= 0	-	- 32 F	207		/ J F	2 80 F	+ 73 F		9,01
Wet Bulb								 		+-				\rightarrow		 	\rightarrow			+		
Dew Point								 								 						
-um ruint			لــــــــــــــــــــــــــــــــــــــ			L_		<u> </u>														

USAFETAC FORM 0-26-3 (OL A. PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLINATOLOGY BRANCH PSYCHROMETRIC SUMMARY USAFETAC AIR WEATHER SERVICE/MAC 726625 ELL SHOPTH AFR SO STATION NAME FEB 1800-2000 HOURS IL. S. T. PAGE 2 WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 3 - 4 5 - 0 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 31 D.B. W.B. Dry Bulb Wer Bulb Dew Point -12/-13 -14/-15 8 10 -16/-17 -18/-19 -20/-21 4 -22/-23 -24/-25 1 -26/-27 -32/-33 3 845 845 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE <u>0</u> 0-26-3 FORM 21 Element (X) No. Obs. Mean No. of Hours with Temperature - 80 F - 93 F ≤ 32 F Total 3229485 50899 Dry Bulb 25.914.245 51.8 738221 21897 846 84 22.112.150 535770 13640 845 84 84

PSYCHROMETRIC SUMMARY

726625 ELLSHORTH AFB SD STATION NAME PAGE 1

Temp.										DEPRE								TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 . 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 . 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Poin
54/ 53		ľ	·	ļ	1	ì	1	.4	<u> </u>	}			}					3	3		
50/ 49				Ĺ	لمسا	12												3	3		
48/ 47					. 4	. 4	. 2							-				8	8		
461.45				2		6								<u> </u>	<u> </u>	1	l	16	16		
44/ 43				. 4	. 8	1.1												19	19		<u>-</u>
42/ 41			1	9	نمد	6					l			l		l		23	23	3	
40/ 39	ĺ		. 6	2.5	2.5		1											44	44	10	
38/ 37			1.4	2.6	1.	>									<u> </u>			44	44	12	l
36/ 35		• 2	2.0	2.7	• 2	. 1	1	ĺ		[1			ļ			45	45	39	
34/ 33	1	9	1.7	2.7													<u> </u>	52	52	53	3
32/ 31	. 1	1.7	4.4	3.1	. 2	2			ĺ			_ [i	80	80	73	13
30/ 29	2	2.2	2.5			<u> </u>												49	49	66	17
28/ 27	. 1	1.8	2.4	. 2								[ĺ			38	38	89	39
26/ 25		2.0	3.4	. 4		1												49	49	57	52
24/ 23	. 2	2.0	1.2									1				1	İ	29	29	49	45
22/ 21	2	1.9	8				L											25	25	51	65
20/ 19	- 4	3.0	1.7				İ					ŀ			1			42	42	28	99
18/ 17		2.2	8			<u> </u>												26	26	28	61
16/ 15	}	3.7	. 8			j					J]	38	38	39	55
14/ 13	4	3.2	1.2			<u> </u>										 		40	40	41	4.5
12/ 11		2.1	. 1									ļ					Ì	19	19	31	45
10/ 9		2.4	2			ļ												22	22	31	42
8/ 7	. 1	2.2	. 1								j	J]	ļ	21	21	25	35
6/ 5		2.0	1															18	18	18	25
4/ 3	- 1	. 8	ĺ					[ĺ	ĺ		- 1		'		Ì		8	8	15	27
2/_1	2	2+1				<u> </u>												20	20	18	25_
0/ -1	• 5	. 7	ĺ	- 1		1			ĺ	ĺ	ĺ	- 1						10	10	9	28
-2/ -3	6	1.2				ļ												15	15	18	16_
-4/ -5	. 7	. 6							1			1						11	11	9	17
=6/ =7	7	1.1				ļ						——— <u> </u>						15	15	12	14
-8/ -9	. 9	. 4	[[]		ĺ	ĺ		[ſ	ĺ		1 1			11	11	16	10
-10/-11															<u> </u>				L		12
-12/-13		[1						f		[12
-14/-15				—		L									<u></u>				-31		9
Element (X)		Z X z		······································	ξχ		X	" *		No. Ob								Temperat			
Rel. Hum.	·											± 0 F		32 F	z 67	F	73 F	≥ 80 F	a 93 F		Total
Dry Bulb Wer Bulb										···											
Dew Point																			 		
ruini															L						

FORM 0-26-3 (OL A, PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

GLOBAL CLIMATOLOGY BRANCH USAFETAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC FEB. 726625 ELLSHORTH AFB SD STATION NAME 73-82 PAGE 2 2100-2300 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 231 D.B. W.B. Dry Bulb Wer Bulb Dew Point 9 -16/-17 -18/-19 -20/-21 6 -22/-23 2 -24/-25 -28/-29 -30/-31 -34/-35 1 846 846 6.040.425.516.5 7.2 3.1 TOTAL 846 846 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE 0-26-3 (OL A) FORM J Mean No. of Hours with Temperature Element (X) ≥ 67 F ≥ 73 F * 93 F Tota! 4 0 F ≤ 32 F Rel. Hum. 3438909 Dry Bulb 84 648285 20221 846 58.5 Wer Bulb 17374 20.512.083 846 7.0 72.4 84 480174 Dew Point 84

726625 ELLSHORTH AFB SD STATION NAME

PSYCHROMETRIC SUMMARY

STATION				2	TATION N	AME								YE	ARS					M
																		PAG	E 1	HOURS
Temp.						WET	BULB	TEMPE	RATURE	DEPRE	SSION	F)						TOTAL	T	TOTAL
(F)	0	1 . 2	3 - 4	5 - 6	7 . 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	• 31	D.B. W.B.	Dry Bulb	Wet Bull
68/ 67							Ī			.0	.0							6	6	
66/ 65									<u> </u>						L			4	4	
64/ 63			1		1				.0	. 1	. 1							11	11	
62/ 61		 	ļ	L	<u> </u>					1	0							10	10	
60/ 59					1	j '		•1	. 2	-1	•0				ĺ			21	21	
58/ 57		 	 -	ļ	 	 	0	2	2									36	36	
56/ 55						•0	- 1	.4	. 3	• 1								60	60	
54/ 53		+	 	 	0	, , ,	- 4	4		0								68	68	
52/ 51 50/ 49			į		.0	- 3	• 3	• 4	1						1			67	67	
46/ 47		1			.5		• 5	•0	.0									121	121	<u>6</u>
46/ 45				- 1	. 7	• 9	.5	•0	• •							İ		134	134	9 20
44/ 43			.1	. 5	1.1	. 9	• 2	•0										188	188	63
42/ 41		0	3	. 7	1.3		1								1			214	214	129
40/ 39		. 0	. 5	2.0	1.7	. 5	. 1											324	324	195
38/ 37		1	1.1	2.3	1.3	. 3												347	347	243
36/ 35	• 0	- 1		2.6	.7	• 0	1								İ			336	336	321
34/ 33		- 7	1.9	2.4	5	0												377	378	420
32/ 31	• 1	1.2		2.3	. 4	• 0							,	Į]			457	457	514
30/ 29			2.6	103														383	384	528
28/ 27	• 2	1.6	2.4	- 5	- 1									l	- 1	i		319 260	320 260	518
24/ 23	. 3	1.2		- 4														181	181	364
22/ 21	2	1.8	1.0	. 1							1	ŀ			1	İ		208	208	312
20/ 19	. 3	3.2	1.2	. 1	1							1						329	329	239
18/ 17	0	2.9	9	1														264	264	_261
16/ 15	. 1		1.0	. 1		İ					1	- 1	ļ	-				258	258	298
14/ 13	2	3.0	5		 i													250	250	256
12/ 11	•0		• 2			1	1							1				202	202	255
10/ 9	0		3															197	197	253
8/ 7	.1		• 1			- 1				1				1		}		166	166	212
4/ 3	.1	,,	.0											+				95 95	95	152 90
2/ 3	•	73 44					1											170	170	124
Element (X)		ZX'		Z	, <u> </u>	\Box	X	€ <u>k</u>		No. Ob					Mean No	. of Hou	es with	Temperat		
Rel. Hum.												± 0 F	•	32 F	≥ 67 F	. 7	73 F	⇒ 80 F	▶ 93 F	
Dry Bulb Wet Bulb																			ļ	
Dew Point			\rightarrow													<u> </u>			ļ	
Dec . 0.,																	لبيبيا		<u> </u>	

1 GLOBAL CLIMATOLOGY BRANCH USAFETAC PSYCHROMETRIC SUMMARY 2 AIR WEATHER SERVICE/MAC FER 726625 ELLSHOPTH AFR SD STATION NAME 73-82 ۷, PAGE 2 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 31 D.B. W.B. Dry Bulb Wer Bulb Dew Point Ĺ, 103 103 169 . 9 165 0/ -1 98 98 98 142 -4/ -5 . 5 88 88 77 128 - 8 77 118 -6/ -7 78 78 . 8 • 2 -8/ -9 . 3 31 31 66 95 -10/-11 29 104 -12/-13 8 8 8 63 -14/-15 8 8 80 -16/-17 5 5 67 - 1 5 62 -18/-19 -20/-21 35 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE -22/-23 21 -24/-25 24 -26/-27 -28/-29 10 12 -30/-31 -32/-33 10 -34/-35 6 -36/-37 1 8.8 6766 6763 6763 6763 ŏ 0.26-3 (FOR 71 Element (X) Mean No. of Hours with Temperature

Rel. Hum.

Dry Bulb

Wet Bulb

25211167

6167563

4316843

6763

6766

6763

± 0 F ± 32 F

43.6 424.6

53.5 532.3

1 67 F

₹ 73 F

≥ 80 F ≥ 93 F

Total

672

672 672

59.015.699

26.015.358

21.912.656

399039

175881

PSYCHROMETRIC SUMMARY

726625 ELLSHORTH AFR SO STATION NAME 73-A2 MAR 000-0200 HOURS IL, S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 31 D.S. W.S. Dry Bulb Wet Bulb Dew Point 62/ 61 . 2 60/ 59 58/ 57 • 1 .1 2 56/ 55 54/ 53 . 1 2 2 52/ 51 8 50/ 49 11 . 1 11 48/ 47 15 15. 46/ 45 12 12 6 44/ 43 14 14 .5 1.0 42/ 41 29 29 1 40/ 39 39 39 24 2.2 1.4 38/ 37 1.2 55 55 34 36/ 35 66 46. 44 3.4 4.2 2.0 34/ 33 101 101 64 32/ 31 98 98 89 34 30/ 29 4.0 4.8 1.8 . 8 106 106 107 57 28/ 27 123 84 84 61 .1 2.0 3.3 .3 1.9 1.2 26/ 25 93 55 55 102 24/ 23 34 34 82 59 22/ 21 3.2 1.0 42 76 42 66 20/ 19 2.5 35 35 40 104 15/ 17 1.7 17 17 22 77 16/ 15 13 13 70 14/ 13 20 20 8 12/ 11 17 24 47 10/ 9 1.0 11 11 12 32 10 11 10 26 5 14 9 11 20 9 1 5 5 5 13 -2/ -3 6 6 7 No. Obs. Mean No. of Hours with Temperature Rel. Hum. Dry Bulb Wet Bulb Dew Point

1 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

C FORM 0-26-3 OL A PREVIOUS

GLOBAL CLIMATOLOGY BRANCH PSYCHROMETRIC SUMMARYS USAFETAC AIR WEATHER SERVICE/MAC 726625 FLLSHORTH AFB SD STATION NAME $\{$ 0000-0200 HOURS IL. 5, 7,1 PAGE 2 WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 231 D.B. W.B. Dry Bulb Wer Bulb Dew Point (-6/ -7 -8/ -9 -10/-11 -12/-13 -14/-15 TOTAL 930 930 930 930 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE ŏ Element (X) No. Obs. Mean No. of Hours with Temperature ≥ 73 F + 80 F 10F ≤ 32 F - 93 F 4341410 61972 66.615.100 930 Dry Bulb 904009 27371 29.410.294 930 57.1 93 Wet Bulb 695079 24133 25.9 8.608 930 74.4 93 Dew Point 930 49.6

PSYCHROMETRIC SUMMARY

725625 ELLSHORTH AFR SD STATION 73-82

PAGE 1 0300-0500 HOURS (L. S. T.)

Temp.			·	·									SSION							TOTAL		TOTAL		
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	0 11	- 12	13 .	14	15 - 16	17 - 18	19 - 20	21 - 2	23 - 2	4 25 -	26 27 -	28 29 - 1	0 • 31	D.B. W.B	· Dry Bulb	Wet Bulk	Dew	F
52/ 61				1							. 4	.			1		j	ļ		4	4		T	
50/ 59		ļ	<u> </u>			ļ	\perp		<u> </u>	الم			1							1	1	<u> </u>		
58/ 57				[ĺ			. 1				.1	1				ĺ	[[2	2			
56/ 55			ļ			<u> </u>	1		L		2									2		1		
54/ 53			1	ļ	ĺ			. 1	١.	. 3						}				4	4]		
52/ 51				ļ	ļ	_	3	-1	<u></u>	.1			<u></u>		L	⊥_			. <u>.L</u>	5	5	i	. i	
50/ 49		}					5	. 1		ĺ					i		İ			6	6	ļ	İ	
8/ 47			<u> </u>				9	.1	L_	_		└	<u> </u>		<u> </u>					9	9	1	1	
16/ 45				. 1	. 4		6			i		1	l		ł				i	11	11	5	!	
4/ 43				1	4	4	4-			[ļ	Ĺ		<u> </u>				· -	5	5		.i	
2/ 41		ł	• 1	. 6			3					ł							1	12	12	9	İ	
10/ 39		1	1.5	. 9			1		ļ			ļ				<u> </u>				30	30	12	.i	_
8/ 37		2 • 3	1.7	2.0	1.1				[Í		ĺ	ĺ		Ï	ĺ	[ĺ	66	66	16	İ	
6/_35		1.6	2.3	1.8	1.0		2 _		 -						ļ	ļ				64	64	58	ļ	
14/ 33	• 3	1.9				,]			ļ				j	ĺ		ļ	81		52		
2/ 31	1	4.1	5.1	2.4	5	ļ	+-		ļ			 	<u> </u>		 		-i			113		70		-4
0/ 29	- 4	4 . 4	3.1	1.0						ļ							1		-	83		113		
8/ 27	6	4.2	4.5	1.1		├	+-					 			 	+	+-			97	7	123	7	
6/ 25	• 4	2.9	3.4	• 2						- 1					İ		ı			65		94		•
4/ 23			1.9	• 1			+-			-					 -	 				46	7	90		1
2/ 21	• 5		1.2	. 3												-				44	44	65	1	•
0/ 19	8	4.0	8							-+					 	+				51	51	55		
8/ 17 6/ 15		2.3	-			ļ		- 1		- {					ł	1	- 1	ļ	}	21	21	36		
			2				+			-		 -				 -	+			13	13	29	1	.1
4/ 13	• 3	1.2	1																	14	1	10		(
0/ 9		2.5	. 2				+-			7					 -	+		-+		24	24	19	1	. 4
8/ 7	• 1	.8 1.4	• 2					1								l		1	İ	10	10	20 		1
6/ 5		• 6								7					-	 			· · - · · · · · · · · · · · · · · · · · · 	7		1	!	
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21 -3		. 4				i	T										1	-1		4		4		
44 -5						! !		ŀ										ĺ	İ			-		
ement (X)		Σχ'			X		X			* <u>x</u>		No. Ob	•.				Meor	No. of I	tours wit	h Tempera	ture		<u> </u>	_
l. Hum.														¥ 0	F	: 32 F	•	67 F	≥ 73 F	# 80 F	• 93 1		Total	
y Bulb																	L.							
et Bulb																	i							
w Point			Ī			1		1			I							Ţ		1		1	•	

USAFETAC FORM 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH PSYCHROMETRIC SUMMARY USAFETAC AIR WEATHER SERVICE/MAC 726625 ELLSHORTH AFR SO STATION NAME 0300-0500 HOURS (C. S. Y.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) Temp. TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 | D.B. W.B. Dry Bulb | Wet Bulb | Dew Point 1 10 1 -6/ -7 • 1 6 -8/ -9 -10/-11 4 -12/-13 -14/-15 2 -16/-17 TOTAL 930 930 5.742.029.613.1 4.7 3.0 .5 . 6 930 934 THIS FORM ARE OBSOLETE PREVIOUS EDITIONS OF ⋖ ಗ 0-26-3 Mean No. of Hours with Temperature Element (X) Z X' 7, • 93 F 132 F + 67 F + 73 F + 80 F Rel. Hum. 47.414.793 28.210.313 24.9 8.689 5 0 F 930 4446964 62822 Dry Bulb 930 62.4 93 837252 26206 Wet Bulb 23194 930 1.0 77.7 93 648584

91.4

Dew Point

PSYCHROMETRIC SUMMARY

726625 ELLSHORTH AFR SO STATION NAME

0600-0800 HOURS (C. S. T.) PAGE 1

Temp. (F)			-							DEPRE						1	TOTAL		TOTAL	
	0	1 . 2	3 - 4	5 · 6	7 . 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 23	· 24 25 ·	26 27 - 28	29 . 30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Po
66/ 65		ļ) :		}	,]	}	. 1	ł					j	1	1	J	}
64/ 63						 	2										3	3	ļ	
62/ 61		}							. 4	1	ļ		1]		4	4]	
60/ 59							1	1		ļ				 -		<u> </u>	2	2		L
58/ 57								-1	.1	.2						i	4	4		į
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36/ 35		1.8	3.7	2.3	. 8			ļ 	<u></u>								79	79	44	L
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28/ 27	5	3.7	2.9	. 5													71	71	114	6
26/ 25	. 2	2.9	1.5	• 2	i									7			45	45	88	99
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lel. Hum,						\neg			$\neg \dagger \neg$: 0 F	± 32 F	₹ 67		73 F	≥ 80 F	. 93 F		rotal
ry Bulb														1	-			1		
fer Bull																		 		
ew Point									~									 	_+	

USAFETAC FORM 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

726625 ELLSHORTH AEB SD STATION NAME

nego-nagn PAGE 2

Temp,						WET	BULB	TEMPER	ATURE	DEPRE	2210H	F)			Y		,	TOTAL D.B. W.B.		TOTAL	12
(F)	0	1 . 2	3 - 4	5 . 6	7 . 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 . 22	23 - 24	25 - 26	27 - 28	29 - 30	+ 31	U.O. W.B.	Dry Bulb	Wet Bulb	Dew Po
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-6/ -7				ļ	İ	ł												į			1 13
-8/ -9				ļ	<u> </u>		L	<u> </u>													نـــــ ـــــــــــــــــــــــــــــــ
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OTAL	4.4	38.6	29.5	15.1	6.0	2.6	2.4	4	6	3		L			ļ •				929		92
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lement (X)		EX			ž _X		¥		1	No. Obs	J				Mean N	o. of Ho	urs with	Temperatu	r+		L
lel. Hum.		475	1952	- 	612	94	66 0	15.00	34		29	± 0 F	1	32 F	≥ 6 7		73 F	- 80 F	• 93 F	1	Total
ry Bulb			5175		272	0.7	20 H	11.1	20	9.		1.		5.5					1		9
let Bulb			5008	~	219			9.1			29	1.		5.3							9
Dew Peint			21.76		172		18.6				29	s		1.3					1	 -	9

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE FORM 0-26-3 OL A 1

PSYCHROMETRIC SUMMARY

726625 ELLSHORTH AFB SO STATION NAME

1000-1100 HOURS IL. S. T.) PAGE 1

72/ 71 70/ 69 68/ 67 66/ 65 64/ 63 62/ 61 60/ 59 58/ 57 56/ 55 54/ 53 52/ 51 50/ 49 48/ 47 46/ 45 44/ 43 42/ 41 40/ 39 38/ 37 36/ 35 34/ 33 32/ 31 .2 28/ 27 .2 28/ 27 .2 28/ 27 .2 26/ 25 .1 20/ 19 .2 20/ 19 .2 21.	1-2 3-4	.1 .2 .4 .2 .4 .4 1.0 .6 .7 1.6 1.9	9.10 11.12 .1 .1 .3 .5 1.2 .5 1.1 .5 1.3 1.2	.3 .1 .1 .4 .6 .9 .8	.1 .1 . .1 .3 . .2 .2 .2 . .3 .4 . .5 .4 .5 .2 .2 .2 .1	20 21 · 22 23 1 · 22 1 · 2 1 · 2	25 - 26	27 · 28 29 · 30	3 3 5 7 7 8 13	7	t Bulb Dew Po
70/ 69 68/ 67 66/ 65 64/ 63 62/ 61 60/ 59 58/ 57 56/ 55 54/ 53 52/ 51 50/ 49 48/ 47 46/ 45 44/ 43 42/ 41 40/ 39 38/ 37 36/ 35 31 .2 2.8/ 27 .2 28/ 28/ 28/ 28/ 28/ 28/ 28/ 28/ 28/ 28/	.2	.2 .4 .4 1.0 .6 .7 1.6 1.9	.1 .1 .1 .3 .5 1.7 .5 1.1	1 .4 .6 .9 .8	.1 .1 . .1 .3 . .2 .2 .2 . .3 .4 . .5 .4 .5 .2 .2 .2 .1	2 .2			13 15	7 7 8	
70/ 69 68/ 67 66/ 65 64/ 63 62/ 61 60/ 59 58/ 57 56/ 55 54/ 53 52/ 51 50/ 49 48/ 47 46/ 45 44/ 43 42/ 41 40/ 39 38/ 37 36/ 35 32/ 31 .2 2.3 32/ 31 .2 2.2 28/ 27 .2 1.2 26/ 25 .1 1.2 20/ 19 .2 2.1	.2	.2 .4 .4 1.0 .6 .7 1.6 1.9	.1 .1 .1 .3 .5 1.7 .5 1.1	1 .4 .6 .9 .8	.1 .1 . .1 .3 . .2 .2 .2 . .3 .4 . .5 .4 .5 .2 .2 .2 .1	2 .2			13 15	7 7 8	
68/ 67 66/ 65 64/ 63 62/ 61 60/ 59 58/ 57 56/ 55 54/ 53 52/ 51 50/ 49 48/ 47 46/ 45 44/ 43 42/ 41 40/ 39 38/ 37 36/ 35 33/ 31 22/ 21 20/ 19 22/ 21 20/ 19 22/ 21	.2	.2 .4 .4 1.0 .6 .7 1.6 1.9	.1 .1 .1 .3 .5 1.7 .5 1.1	1 .4 .6 .9 .8	.1 .3 .2 .2 . .3 .4 .5 .4 .5 .2 .2 .1				13 15	7 7 8	
66/ 65 64/ 63 62/ 61 60/ 59 58/ 57 56/ 55 54/ 53 52/ 51 50/ 49 48/ 47 46/ 45 44/ 43 42/ 41 40/ 39 38/ 37 36/ 35 1.32/ 31 .2 2.33 32/ 31 .2 2.33 32/ 31 .2 2.33 32/ 32 .21 .2 2.34 22/ 23 1.22/ 21 .22/ 21	.2	.2 .4 .4 1.0 .6 .7 1.6 1.9	.1 .1 .1 .3 .5 1.7 .5 1.1	1 .4 .6 .9 .8	.1 .3 .2 .2 . .3 .4 .5 .4 .5 .2 .2 .1				13 15	7 8	
62/ 61 60/ 59 58/ 57 56/ 55 54/ 53 52/ 51 50/ 49 48/ 47 46/ 45 44/ 43 42/ 41 40/ 39 38/ 37 36/ 35 34/ 33 32/ 31 22/ 21 28/ 27 28/ 27 21 22/ 21 20/ 19 22/ 21 20/ 19 22/ 21 20/ 19 22/ 21 20/ 19 22/ 21	.2	.2 .4 .4 1.0 .6 .7 1.6 1.9	.1 .1 .1 .3 .5 1.7 .5 1.1	1 .4 .6 .9 .8	.5 .4 .5 .2 .2 .1	1			13 15	13	
60/ 59 58/ 57 56/ 55 54/ 53 52/ 51 50/ 49 48/ 47 46/ 45 44/ 43 42/ 41 40/ 39 38/ 37 36/ 35 34/ 33 32/ 31 22/ 21 20/ 19 22 28/ 27 21 20/ 19 22 28/ 17	•2	.2 .4 .4 1.0 .6 .7 1.6 1.9	.5 1.2 .5 1.1	.9	.5 .4 .5 .2 .2 .1				15		
58/ 57 56/ 55 54/ 53 52/ 51 50/ 49 48/ 47 46/ 45 44/ 43 42/ 41 40/ 39 38/ 37 36/ 35 34/ 33 32/ 31 .2 2. 30/ 29 .2 28/ 27 .2 1. 26/ 25 .1 1. 24/ 23 22/ 21 20/ 19 .2 2.	•2	.2 .4 .4 1.0 .6 .7 1.6 1.9	.5 1.2 .5 1.1	.9	.2 .1				15		
56/ 55 54/ 53 52/ 51 50/ 49 48/ 47 46/ 45 44/ 43 42/ 41 40/ 39 38/ 37 36/ 35 34/ 33 32/ 31 .2 2 30/ 29 .2 28/ 27 .2 1 26/ 25 .1 1 24/ 23 22/ 21 20/ 19 .2 2	•2	.2 .4 .4 1.0 .6 .7 1.6 1.9	.5 1.2 .5 1.1	.9	.2 .1					15	1
54/ 53 52/ 51 50/ 49 48/ 47 46/ 45 44/ 43 42/ 41 40/ 39 38/ 37 36/ 35 34/ 33 32/ 31 .2 2 30/ 29 .2 28/ 27 .2 1 26/ 25 .1 1 24/ 23 22/ 21 20/ 19 .2 2 18/ 17	.2	.2 .4 .4 1.0 .6 .7 1.6 1.9	.5 1.2 .5 1.1	. 3			1 1	1 1			
52/ 51 50/ 49 48/ 47 46/ 45 44/ 43 42/ 41 40/ 39 38/ 37 36/ 35 34/ 33 32/ 31 .2 2. 30/ 29 .2 28/ 27 .2 1. 26/ 25 .1 1. 24/ 23 22/ 21 20/ 19 .2 2.	.2	.4 1.0 .67 1.6 1.9	1.1 .5				1 3	1 1	16	16	
50/ 49 48/ 47 46/ 45 44/ 43 42/ 41 40/ 39 38/ 37 36/ 35 34/ 33 32/ 31 .2 2 30/ 29 .2 28/ 27 .2 1 26/ 25 .1 1 24/ 23 22/ 21 20/ 19 .2 2 18/ 17	.2	.4 1.0 .67 1.6 1.9	1.1 .5						25	25	3.
48/ 47 46/ 45 44/ 43 42/ 41 40/ 39 38/ 37 36/ 35 34/ 33 32/ 31 .2 2. 30/ 29 .2 28/ 27 .2 1. 26/ 25 .1 1. 24/ 23 1. 22/ 21 20/ 19 .2 2. 18/ 17 1.	.2	1.6 1.9	1.3 1.2	3 (p)	• 3				25	25	5
46/ 45 44/ 43 42/ 41 40/ 39 38/ 37 36/ 35 34/ 33 32/ 31 .2 2. 30/ 29 .2 28/ 27 .2 1. 26/ 25 .1 1. 24/ 23 22/ 21 20/ 19 .2 2. 18/ 17	.2	1.6 1.9	1.3 1.2	5		- 			29	29	
44/ 43 42/ 41 40/ 39 38/ 37 36/ 35 34/ 33 32/ 31 .2 30/ 29 .2 28/ 27 .2 1 26/ 25 .1 1 24/ 23 22/ 21 20/ 19 .2 2 18/ 17 1.				5					41	41	13
42/ 41 40/ 39 38/ 37 36/ 35 34/ 33 32/ 31 32/ 31 22/ 27 28/ 27 26/ 25 24/ 23 22/ 21 20/ 19 22/ 21 20/ 19 22/ 21 20/ 19 22/ 21 20/ 19 22/ 21 21/ 23			5-1-1	-2					41	41	18
40/ 39 38/ 37 36/ 35 34/ 33 32/ 31		2.7 1.5	1.5	<u>'</u>					55 70	55 70	34
38/ 37 36/ 35 34/ 33 32/ 31 .2 2. 30/ 29 .2 28/ 27 .2 1. 26/ 25 .1 1. 24/ 23 1. 22/ 21 20/ 19 .2 2. 18/ 17 1.			1.9	\					70	70	
36/ 35	1.5	3.2 1.8	1.0					1 1	72	70	73 8
34/ 33	1.6 2.2	2.4 .9	•1	 			 i		66	66	99 9
32/ 31 .2 2. 30/ 29 .2 28/ 27 .2 1. 26/ 25 .1 1. 24/ 23	1.9 2.0	2.4 .2	• •						56		102 26
30/ 29 .2 28/ 27 .2 1. 26/ 25 .1 1. 24/ 23 1. 22/ 21 20/ 19 .2 2. 18/ 17 1.		1.7 .1		† <u>-</u> -					69		102 67
28/ 27 .2 1. 26/ 25 .1 1. 24/ 23 1. 22/ 21 20/ 19 .2 2. 18/ 17 1.	2 .8 1.5							1 1	25	25	85 76
26/ 25	2 1.9 .9	.2 .1							31	31	71 65
24/ 23 1. 22/ 21 20/ 19 .2 2. 18/ 17 1.	1 1.1 1.5								25	25	43 110
22/ 21 20/ 19 .2 2. 18/ 17	1.3 .5	1						1	17	17	23 67
20/ 19 .2 2.	.9 .1			<u> </u>					9	9	28 76
18/ 17 1.	2 2.8 1.1		1						38	38	16 90
16/ 15 .4 1.	1.6 .1								16	16	30 63
	4 1.3 .3		ŀ						19	19	25 71
	1 -8 -2						i		10	10	12 50
12/ 11	.3 .3					1 1			6	6	7 32
10/_91.	1-1 -1			 					11	11	10 27
8/ 7 1.	1.0		1				į		9	9	10 28
Element (X) Z x2		Σχ			No. Obs.			Mara Na of Victor	7	7	12 1
tel. Hum.	7 1		<u> </u>	**************************************	No. Ubs.	± 0 F	≤ 32 F	e 67 F = 73		• 93 F	Total
Ory Bulb	Σχ'		 	 	+	= " -	3 32 5	c 0 / F 2 / 3	F # 60 F	+ 93 -	1 0191
Vet Bulb	Σχ'			 	 	 	 			 	
Dew Point	Σχ:			 	 	+	 			+	

USAFETAC FORM 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC 2 726625 ELLSHOPTH AFR SO STATION NAME 1 i, 4/ 3 . 9 669.052 0/ -1 -4/ -5 -8/ -9 -12/-13 TOTAL 1.822.617.819.112.2 9.2 7.1 4.8 2.4 1.9 ARE OBSOLETE THIS FORM PREVIOUS EDITIONS OF ğ -26-3 ó FORM 15 71 Element (X) No. Obs. 55.718.474 10F ± 32 F ≥ 67 F 3201489 51793 930 36.913.158 30.7 9.670 Dry Bulb 1425061 34289 9.30 30.3 Wet Bulb 964300 28566 930

PSYCHROMETRIC SUMMARY

MAR PAGE 2 0900-1100 HOURS (L. 5. T.)

WET BULB TEMPERATURE DEPRESSION (F)
TOTAL
1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 -31 D.B. W.B. Dry Bulb Wet Bulb Dew Puint 9 6 13 2 2 2 6 10 1 930 930 930 Mean No. of Hours with Temperature ■ 73 F 93

PSYCHROMETRIC SUMMARY

726625 ELLSHORTH AFR SD. STATION NAME PAGE 1 1200-1400 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) Temp. (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 79 - 30 2 3 1 D.B. W.B. Dry Bulb Wet Bulb Dew Poin 80/ 79 78/ 77 76/ 75 . 1 741 73 72/ 71 . 2 2 70/ 69 68/ 67 . 2 6 661 65 11 11 64/ 63 . 8 22 62/ 61 22 22 .5 60/ 59 , 3 1.2 25 25 58/ 57 29 56/ 55 . 9 1.0 26 26 54/ 53 41 41 52/ 51 1.0 . 8 1.5 35 35 50/ 49 50 50 14 1.6 .9 1.0 48/ 47 1.4 53 53 28 46/.45 58 44/ 43 2.0 1.5 58 58 59 54 54 74 40/ 39 1.6 1.6 2.5 1.0 63 63 65 38/ 37 55 80 36/ 35 42 42 100 34/ 33 35 35 84 32/ 31 1.0 36 36 100 92 30/ 29 23 23 51 65 28/ 27 . 3 20 20 33 60 26/ 25 21 33 88 24/ 23 14 14 25 60 22/ 21 79 20/ 19 1.9 22 22 27 72 18/ 17 92 25 16/ 15 10 10 66 Element (X) No. Obs. Mean No. of Hours with Temperature Rel. Hum. ≥ 67 F ₹ 73 F 5 0 F ≥ 80 F + 93 F Dry Bulb Wet Buib Dew Point

1 0-26-3 OL A) PREVIOUS EDITIONS OF THIS FORM ARE OB

AFETAC FORM DE

ELL SHORTH AFR SO

PSYCHROMETRIC SUMMARY .

Dew Point			795		201			1.72	_		30		_	14.7						9
Wet Bulb			2147					24.0			30			37.3						9
Dry Bulb		366	610		4638			19 - 57		9	30	- v F	+	22.7	2.4		+	- /3 F		9
Element (X) Rel. Hum.	Z	X2			Z X		X	<u> </u>		Ho. Ob	+	= 0 F		32 F	Mean No.	of Hours wi	th Temperati	# 93 F	, ,	otal
																	1			
																	-			
											·						+			
								-									1			
																	1			
																				.,
					<u> </u>															
OTAL	• 5	8.7	12.4	13.7	14.4	10.5	9.1	8.0	5 • 5	3.2	2.6	1.2	• 2				930	930	930	93
-4/ -5 -6/ -7																				
-2/ -3																	-	·····		
2/ 1												 					-			1
6/ 5		2			 							-					2 2	2	3	·
10/ 9		.9							•••			1					8	<u> </u>	12	1
12/ 11	• 1	. 4	• 1														6	6	12	3
Temp. (F)	0	1 - 2	3 . 4	5 - 6	7 - 8			13 - 14					23 - 24	25 - 26	27 - 28 29	9 - 30 = 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew P
																			HOURS (

USAFETAC FORM O-26-3 (OL A. PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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FORM 0-26-3 (OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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669-052

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEAT SERVICE/MAC

PSYCHROMETRIC SUMMARY

ELLSHORTH AFR SD STATION NAME

1500-1710 HOURS (L. S. T.) PAGE 1

Temp.					,		BULB										TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26 27	- 28 29	- 30 + 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew P
80/ 79					l		-					ļ	.1	. 1			2	2	1	
78/ 77		J				ļ	<u> </u>			<u> </u>			.2					3		
76/ 75		Ι.		ĺ	ĺ			i	ĺ		ĺ	.1		'	- 1		1	[1		
70/ 69		ļ			L			<u> </u>		-1		2					3	3		ļ
68/ 67									. 1	. 2	. 4			ļ		İ	7	7		ļ
66/ 65							ļ	2	1	6	3	.3					15	15	<u></u>	1
64/ 63				ĺ	1			1	1.0	. 9	. 4	.1	İ	ĺ	[ĺ	22	22	ĺ	1
62/ 61					ļ	1			1.0	8	2						23	23		ļ
60/ 59					1	- 1	• 5	1.0	. 5	1.2			İ	ļ	-		31	31	İ	ļ
58/ 57						1	8	3	8	4	1						23	23		1
56/ 55						.8	-6	1.3	1.3						ĺ	}	37	37	3	
54/ 53					ļ	1.1	1.1	1.3	8	ļ		L					39		3	<u> </u>
52/ 51					.1	1.1	1.0	1.4					Į			ĺ	33	33	5	
50/ 49		ļ		1	-8	1.8	1.1	1.4	-3			<u> </u>				 -	52	52	12	
48/ 47				. 4	1.4	1.7	1.6	1.1	• 3						-		61	61	30	
46/ 45		ļ		1.6	1.2	1.3	1.4		-2								61	61	47	↓
44/ 43			. 8	1.0		1.7	. 8	•1					ļ				57	57	46	
12/ 41			9	9	2.0				<u> </u>								55	- 55	75	
40/ 39			. 8	2.2	1.7	. 9	1	}					1				51	51	84	1
38/ 37		1.1	1.9	_1.8	8	1											53	53	72	
36/ 35		- 5	1.9		. 8	l										}	51	51	98	
34/ 33	1	1-4	9	1.0		 						 					32	32	94	
32/ 31	• 2	• 8	• 9	1.2									Ì				28	28	92	
30/ 29	2	1.0	1.0	8										 -			27	27	56	
28/ 27		• 6	• 3	_								1					9	9	30	1
24./ 25	+	- 5	1.2	3													19	19	51	
24/ 23		1.3	1.2	. 1									- 1		[24	24	20	
22/ 21	!	2+7		3													36	36	31	
20/ 19	. 1	2.2										!	1		-	1	21	21	40	
18/ 17		1+3	1				-	-									13	13	15	
16/ 15		- 8	. 4														11	11	18	
4/ 13		5	2														10	10		-
2/ 11		• 4											ł		- 1	1	4	4	9	
lement (X)		Zx'			Σχ		X	•,		No. Ob	·			Me	on No. 1	f Hours wit	h Tempera	ure		
el. Hum.												± 0 F			z 67 F	≥ 73 F	- 80 F	₹ 93 F	:	Total
ry Bulb												<u>.</u>					 	1		
et Bulb											$\neg \uparrow$						 	1		
ew Point									_								+	 		

USAFETAC

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC PSYCHROMETRIC SUMMARY 7266.25 ELLSHORTH AFB SD STATION NAME PAGE 2 1500-1700 WET BULB TEMPERATURE DEPRESSION (F) Temp. (f) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point i 8/ 7 9 • 5 5 3 4/ 11 0/ -1 8 10 -4/ -5 4 -6/ -7 TOTAL 1.116.813.713.910.612.5 9.2 8.9 6.3 4.2 1.5 . 1 930 930 • 3 930 930 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE 0.26-3 (OL A, F

FORM 21

Element (X)

Rel. Hum.

Dry Bulb

Wet Bulb

49.120.053 41.613.797 33.6 9.492

45658 38718

31247

2615136 1788772

1133559

Mean No. of Hours with Temperature

267 F 273 F 280 F 293 F

± 32 F

21.8

± 0 F

930

930

93

GLOBAL CLIMATOLOGY BRANCH PSYCHROMETRIC SUMMARY 2 USAFETAC AIR WEATHER SERVICE/MAC - 726625 ELLSHORTH AFR SO STATION NAME PAGE 1 1800-2000 WET BULB TEMPERATURE DEPRESSION (F) Temp. TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 31 D.B. W.B. Dry Bulb 74/ 73 . 1 1 70/ 69 66/ 65 • 1 62/ 61 60/ 59 •2 6 6 58/ 57 56/ 55 • 5 15 15 54/ 53 18 18 52/ 51 1.1 1.0 • 1 • 2 •1 23 23 50/ 49 35 35 48/ 47 1.0 7 34 34 OF THIS FORM ARE OBSOLETE 46/ 45 44 44 44/ 43 2.3 1.1 57 57 24 42/ 41 52 52 34 40/ 39 2.6 2.2 7 . 3 1.9 . 8 73 73 59 38/ 37 67 1.5 2.5 93 36/ 35 72 72 19 34/ 33 29 74 101 78 78 32/ 31 2.0 3.3 78 78 92 30/ 29 77 96 48 48 28/ 27 1.1 1.6 . 4 29 29 101 63 26/ 25 57 72 24/ 23 15 15 29 58 PREVIOUS 22/ 21 10 10 15 76 20/ 19 2.5 . 9 40 40 20 95 2.5 30 30 28 67 16/ 15 1.4 . 1 35 73 15 15 14/ 13 19 10 <u>d</u> 15 59 12/ 11 . 6 15 40 6 6 0-26-3 13/ 39 8/ 7 6 24 6 12 FORM IN 4/ 3 . 6 ς Element (X) Mean No. of Hours with Temperature Rel. Hum. ≥ 67 F = 73 F ± 0 F 5 32 F - 80 F • 93 F

Dry Bulb Wet Bulb Dew Point

GLOBAL CLIMATOLOGY BRANCH PSYCHROMETRIC SUMMARY 2 USAFETAC AIR WEATHER SERVICE/MAC 726625 ELLSHORTH AFR SO STATION NAME MAR 1800 - 2000 WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 9 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 3 1 | D.B. W.B. Dry Bulb Wer Bulb Dew Point ξ. 0/ -1 -4/ -5 -8/ -9 TOTAL 930 930 2.924.620.519.012.7 9.5 6.7 2.0 930 930 ARE OBSOLETE THIS FORM PREVIOUS EDITIONS OF ಠ Element (X) Mean No. of Hours with Temperature Rei. Hum. 3511608 54620 58.718.081 Dry Bulb 1276360 32758 33.0 93 Wet Bulb 903860 29.9 8.819 93 27810 930 53.4 Daw Point

PSYCHROMETRIC SUMMARY

े इत्यतिको	. :-	~>#4	7. ↓ ∏	AEB ;	TATION N	AME				73=				٧	EARS		****				AR.
													_					PAG	Ε 1	HOURS	= 23C
Temp.				, -	,						SSION (· · · · · · · · · · · · · · · · · · ·			TOTAL		TOTAL	,
(F)	0	1 . 2	3 - 4	5 . 6	7 . 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 13	19 - 20	21 - 22	23 - 24	25 - 26	27 . 28	29 - 30	. 31	D.R. W.B.	Dry Bulb	Wet Builb	Dew P
6C/ 59							ľ	-1		!							1	1	1		
58/ 57			 		ļ		-1	1		ļ	ļ			 	 		 	2	2		 -
56/ 55			i				• 5								1 1			5	5		
54/ 53			 						 -	ļ				 	 		 -	8	8	ł	}
52/ 51 50/ 49			١.	.1	• 3	• 1	.2	•1		İ				ł	<u> </u>			15	15		ł
48/ 47				.1	1.0	1.1	. 4		 						·		 -	25	25		
46/ 45			• 1	- 4	1.2	- 4	3	ł	1		1 1			l i				22	22	5	
44/ 43		•2	. 3	. 5	.9	. 8	. 4		ļ — ~									29	29		1
42/ 41			-3	1.5	1.5	1.3	<u> </u>								<u> </u>			47	47		•
40/ 39		• 3	2.0	2.2	1.1	. 6	[[7			[58	58	38	
38/ 37		1.2	2.4	2.6	9	1									 		ļ	66	66	37	L
36/ 35		3.4	2.8	3.0	.9	•1	[1			ĺĺ			ſ	1 1			95	95	67	
344.33	3	1.6	3.9	2.6	5		ļ		ļ .		ļ			 			ļ	83	A3	108	2
32/ 31	. 1	3.5	4.6	2.8	- 8] ,]]			į]]			110	110		6
30/ 29	6	2.3	4.1	2.0	3		ļ								 			<u>87</u>	87	118	
28/ 27	• 2	2.2	2.5	• 4												٠		49	49		6
26/ 25 24/ 23		1.7	1-7	-				 -										36 29	<u>36</u> 29	86 66	6
22/ 21	. 3	1.5	1.2	- 1								ļ		ŀ	1		1	21	21	35	7
20/ 19	. 8	1.8	.4															28	28	25	10
18/ 17		1.7	- 5												<u> </u>			25	25	23	7
16/ 15	. 1	1.7	. 3															20	20	25	7
14/ 13	2	2.7																27	27	23	5
12/ 11	- 1	. 8					,											8	8	27	4
10/ 9	1	6																7	7	8	3
8/ 7	- 1	• 2			1							ĺ			i			3	3	5	2
6/ 5		+1															 	1			1
4/ 3		1 . 3																12	12	8	1
2/ 1																		4	4	5	
0/ -1	. 3	• 1	}	1								}						•	•) J	j 1
-4/ -5																					
-1 -7																		İ			
lement (X)		Z X Z			t x		X	7 1		No. Ob	8.				Mean N	o. of He	ours with	h Temperat	ure		
el. Hum.				·								± 0 F		32 F	≥ 67	F .	73 F	# 80 F	• 93 1		Total
Dry Bulb										, ,								ļ			
Not Bulb													_						.		
Dew Point						L_							L_			l		l	_L		

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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669-052

GLOBAL CLIMATOLOGY BRANCH PSYCHROMETRIC SUMMARY USAFETAC AIR WEATHER SERVICE/MAC 726625 ELLSHORTH AFR SD STATION NAME 2100-2300 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 231 D.B. W.B. Dry Bulb Wet Bulb Dew Point Temp. (F) -8/ -9 =10/-11 -12/-13 4.331.527.818.4 9.5 5.5 2.5 930 TOTAL 930 930

No. Obs.

930

930

930

930

Mean No. of Hours with Temperature

5 32 F

47.1

65.3

Total

23

93

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE ∢ 0-26-3 (OL.) FORM ICN 71

G

Element (X)

4070904

1026292

773335

59736

29388

25643

64.215.868

31-610-251

27.6 B.446

Rel. Hym.

Wet Bulb

ELLSHORTH AFB SD STATION NAME

PSYCHROMETRIC SUMMARY

																	PAGE	. •	HOURS I	L. 5. T.)
Temp.						WET	BULB	TEMPER	ATURE	DEPR	SSION	(F)					TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 . 26	27 - 28 29	. 30 • 31	D.B. W.B.	Dry Bulb	Wet Buib	Dew P
80/ 79													• 0	• 0			3	3		į
78/ 77			.					l				.0	.0	1 -			<u> </u>	4	<u> </u>	İ
76/ 75												•0		1			3	3		
74/ 73								1			.0						6	6		
72/ 71											.0						5	5		1
70/ 69	L								0	0						i	14	14	İ	Į
68/ 67									.0	1	.1	•1					18	18		ĺ
6/ 65								1	1	2	1	n					36	36		}
64/ 63							•0	0.0	. 3	. 2	.2	.0					54	54	ļ	!
2/ 61						0			4	. 2	-1						65	65		İ
50/ 59						. 1	.1	.3	. 3	. 3		ļ		1			81	81		
8/ 57							2		3	. 2			l	<u> </u>			81	A1		ļ
6/ 55					• 0	. 2	. 4	.5	. 3								103	103	6	
54/ 53					1	4	6	5	2			L	<u> </u>	<u> </u>	1		135	135	11	ļ <u> </u>
52/ 51				• 0	. 2	. 5	• 7	• 5	• 1			ļ]			į	147	147	24	
50/ 49		ļ	0	1	6	9	7	-5	1		ļ <u>.</u>	<u></u>		<u> </u>			207	207	33	ļ <u>.</u>
8/ 47]	• 1	. 3	. 8	1.1	் ∙ 8	.3	. 1								249	249	83	
16/ 45		0		7	1.0	8	7	-1	0	ļ	ļ	ļ		ļ			262	262	127	ļ
4/ 43		.0	• 2	1.0	1.1	. 9	• 5	.0		1						İ	284	284	182	
2/ 41		1	• 5	1.3	1.3	1.2	2	1		ļ	ļ			<u> </u>	ļ		345	345	266	1
0/ 39	•0	.2	1.5	1.8	1.5	- 6	•0	l									423	423	345	2
38/ 37	0	1.1	1.9	2.4	1.2	3		 		ļ <u> </u>	ļ			ļ	 -		514	514	402	3
56/ 35		1.8			ۍ و	- 1		1							i		535	535	607	8
14/_33	1	1.9	3.0	2.0	5	0		ļ							 		563	563	671	22
32/ 31	. 2	i		2.0	• 3					i				1			643	643	735	48
10/ 29	4	2.3	2.7	1.0	0	:)		ļ		ļ				 	 -		477	477	745	51
8/ 27	. 4	2.2	2.2	- 4	•0			ļ									390	390	703	51
6/ 25	+2	1.7	1.8	2										 -			282	282	515	7.0
4/ 23	. 1		1.0	- 1												1	213	213	400	48
2/ 21	2	2.1	7	1				 		 			_	 	 - -		225	225	308	6.0
0/ 19	• 5		• 6	• 0											} }	!	281	281	266	77
8/ 17		1.9		0				 -						 	i		163	163	215	60
6/ 15	• 2	1.3	• 2													j	124	124	208	i .
lement (X)	2	ZXI X			E N		¥	•		No. Ob	. 1			<u></u>	Mean No.	of Hours wi	th Temperati		4/	
el. Hum.												: 0 1		: 32 F	= 67 F	₹ 73 F	- 80 F	93 F	<u> </u>	Total
ry Bulh								 	\dashv				-			 	† -	ļ. <u></u>		
e Bulb								 								 	<u> </u>	 		
ew Point								 							 	 	 	·		
				<u></u>																

FORM 0-26-3 (OL A) PREVIOUS FDITIONS OF THIS FORM ARE OBSOLETE

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PSYCHROMETRIC SUMMARY&

726625 ELLSHORTH AFR SD STATION NAME 73-82 PAGE 2 HOURS (L, S, T,) | WET BULB TEMPERATURE DEPRESSION (F) | TOTAL | TOTAL | TOTAL | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 - 31 | D.B. W.B. Dry Bulb Wet Bulb Dew Point Temp. 83 83 126 354 . 9 12/ 11 86 272 101 8/ . 9 70 70 71 184 7 • 1 34 67 82 34 51 4/ 3 . 1 • 6 51 56 87 28 28. 36 86 18 0/ -1 18 19 54 15 15. 18 58 -4/ -5 10 53 8 8 • 1 ...56 17 -8/ -9 10/-11 14 -12/-13 6 5 -14/-15 -16/-17 TOTAL 3.329.122.615.8 9.6 7.0 4.9 3.2 7439 7439 7439 7439 No. Obs. Element (X) Mecn No. of Hours with Temperature Rel. Hum. # 73 F # 80 F ≠ 93 F = 0 F 1 32 F € 67 F 29105341 444237 59.718.613 Dry Bulb 34.212.924 4.2 310.2 744 9950531 254519 7439 5.3 Wet Bulb 6945872 215712 7439 744 Dew Point 74.19 26.4 704.9

FORM 6-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2 {∴

USAFETAC FORM 0-26-1

PSYCHROMETRIC SUMMARY

126625 ELLSHORTH AFR SD STATION NAME បចិច្ចចំ-ពុទ្ធព័ប PAGE 1

(F) 64/63 62/61 60/59 58/57	0	1 - 2	3 · 4	5 - 6	, , ,				ATURE	DEPRE	SSION	(F)						TOTAL.	1	TOTAL	, <u> </u>
64/ 63 62/ 61 60/ 59	0	1 - 2	3 · 4	5 . 6							~		,		T		7	T			
62/ 61		1			/ - 0	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	* 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Poil
60/ 59				. 1	ł i		• 2									1		3	3		ί
60/ 59			1			1		.2				<u> </u>			L	<u> </u>		4	4		
					• 2	. 2	• 2	.2		i i		1	i	ĺ		1	-	8	8	1	ĺ
			1	1	-1	2	. 1	. 4	1				<u></u>					-11	11		ļ
56/ 55		• 2	• 1	. 1	• 6	• 3	.6		.1						ļ			18	18	1	i .
54/ 53	1	2	_ 2	3			-6	-1						<u> </u>	L		<u> </u>	29	. 29	5	5
52/ 51		. 3	. 7	. 4		. 3	. 4			1		1	1		İ	ĺ	ĺ	28	28	8	3
50/ 49		4	1.2	7	1.1	3	4						<u> </u>				<u></u>	38	38		1
48/ 47		. 3	1.9	. 9	1.6	1.6	. 4										ı	5.5	55	31	7
46/ 45		1.2	7	مد		1.0							<u> </u>			! 		6.7	4.7	31	13
44/ 43	. 3	1.9	1.2	2.4	1.7	. 3		ĺ		1 1		1		Ì	!	1	1	71	71	66	24
42/ 41		2.0		2.7	1 1	7											<u> </u>	86	86	47	16
40/ 39	• 2	1.2	3.6	2.4	1.3	. 1							1	i				80	80	80	52
38/ 37	7	2.4		2.4	. 0	1				11		ļ					ļ	92	93	8.7	44
36/ 35	.1	2.4	2.4	1.8	.4					í í					j l		l	65	65	110	46
34/ 33	3	1	3.4	2.4	- 3					<u> </u>		<u> </u>					ļ	83	83	96	61
32/ 31	.6	3.0	3.0	1.2				i						}			1	70	70	82	104
30/ 29		2.4		1			l					ļ						41	41	86	99
28/ 27	. 1	.8	. 4							[[12	12	63	58
26/ 25		,9	-2									ļ	! 				L	10	10	- 31	9.7
24/ 23		.9										ŀ					İ	8	8	17	37
22/ 21		1.6	4		ļ							ļ					ļ	18	18	13	67
20/ 19		1.3	.2		ĺ			1		! [1	[[1	14	14	14	61
18/ 17		1								 							ļ <u> </u>	1		8	34
16/ 15		. 1					, ,											1	1	3	29
14/-13		- 2																2	2	3	17
12/ 11	. 1		ĺĺ		[[ĺ					[1	1	1	1	12
10/ 9	1	1										ļ					<u> </u>	2	2	2	
8/ 7	. 1]						j		1								1	1	1	6
6/ 5										├			ļ				ļ	ļ	<u> </u>		2
OTAL	2.9	26 - 9	28.5	19.2	12.7	5.6	3.0	1.0	. 2				}					1	900		899
								 ¦								·		399		899	i
Element (X)		Z x '			z _z		¥		_	No. Ob		<u> </u>			Mean A	lo. of H	l Dura wiel	Tempera	ture		
Rel Hum,				·								= 0	F .	32 F	£ 67		73 F	> 60 F	- 93 F	- 7 - 7	Total
Dry Bulb			1868		602			16 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		8.	10			18.1		-+		<u> </u>	1		90
Wet Buib			4065					-8 -8 4 -7 -4 5						12.4							90
Dew Point			4859		315	-	35.0	74 4			9.			32.A							

USAFETAC FORM O-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE FORM 0-26-3 OL A. SAFETAC

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 ELLSHORTH AFR SO STATION NAME APR MONTH PAGE 1 TOTAL WET BULB TEMPERATURE DEPRESSION (F)

Temp.						WET	BULB	TEMPER	ATURE	DEPRE	SSION	(F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 . 10	11 - 12	13 - 14	15 - 16	17 - 16	19 - 20	21 - 22	23 - 24	25 - 20	27 - 21	29 - 3	0 231	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
50/ 59			.1	İ				-1									1	2	2	1	
58/ 57				1		3	-1	1		ļ		ļ	L		<u> </u>	-					ļ
56/ 55			. 3	. 4	.4	. 4	• 2	-1		1		}		1			ĺ	18	18	1	
54/ 53		1	1	3	-4	2	1	ļ		 		<u> </u>	 	-	 	ļ		12	12		1
52/ 51		. 3	.7	• 6		• 3						1					ĺ	25	25	5	
50/ 49		- 14	7	.4	8					ļ		ļ		 		ļ	-	34	34	9	4
18/ 47		1.0				. 7	- 1											44	44	21	3
6/ 45		1.2			-8	- 6		 				 		₩	┼			52	52	32	18
44/ 43	• 2					• 7											ļ	63 78	63	36	16
2/ 41	<u></u>				1.4.3	2		 				<u> </u>	 	 	 	 -	 		<u>78</u>	71 56	30 29
10/ 39	• 1					-1						}			1		į	68 85	85	74	38
88/ 37 86/ 35								 				 		 -	 	 		106	106	112	47
34/ 33	•6		3.4	2.0										1	[88	88	102	69
32/ 31	. 3							1		 				1		İ	†	82	82	100	101
36/ 29	. 3	1 . 3								Ì		İ						35	35	82	80
8/ 27	.6	1.3													i			24	24	78	70
6/ 25	••	1.0			[.													19	19	36	85
4/ 23		1.6					[Ì			j	19	19	25	68
2/ 21		1.2	1	<u> </u>										1		<u> </u>		13	13	25	59
20/ 19	. 2	1.3	.1														-	15	15	13	56
18/ 17		6								ļ				ļ	1	<u> </u>		5	5	10	
16/ 15		. 2															}	2	2	5	34
14/ 13		-2								ļ		<u> </u>		<u> </u>	 	ļ	 	2	2	4	28
12/ 11																				,	10
10/ 9														 	 -	 		 			8
8/ 7	• 1						l											1	1	1	4
6/ 5	1	1	 					┼		-				 	 	 		2	2	1	
4/ 3]		1						1			į	1	
2/ 1					-		<u> </u>			 				+	 	 -	- 				ļ _ _
-2/ -3			32.4	= -		4.6													900		900
TAL		24.2	32.4	74+A	4.3	-4+6	103			1				 	1	†	1	900	- 700	900	740
										L				<u> </u>				750		,,,	
lement (X)		Σχ'			ž _X		X	₹ ,		No. Ob	s				Mean	No. of h	fours wit	h Temperat	ure		
el. Hum.		447	4564		620	26	68.9	14.9	11	9.	00	± 0 1	F	≤ 32 F	≥ 67	F	≠ 73 F	- 80 F	+ 93 F	·	Total
ry Bulb			8972		340	1		Bati		9	ממ			21.9				ļ			90
et Bulh		107	9283		304	61	33.8	7.3	31	9	00			38.1				ļ			90
Dew Point		76	3472	L	250	84	27.9	Bake	51 L	9,	nn i		. 1	64.5	1			l			9.0

PSYCHROMETRIC SUMMARY

726625 ELLSHORTH AFR SD STATION HAME PAGE 1

Temp.	·					WET	BULB '	YEMPER	ATURE	DEPR	ESSION (F)					_	TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	5 27 . 21	B 29 .	30 - 31	D.B. W.B.	Dry Bulb		Dew Pein
72/ 71	·									1				1	1			<u> </u>	•	1	
68/ 67	1	}								1	•1			1	1	-			1	1	
66/ 65						•	,		.1					1		†		4	4		
64/ 63						• 1	• 1	•1		1	1					1			-		
62/ 61						. 3				†	 			 		1		4	4		
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48/ 47		. 9	1.7	1.2	1.7	1.1					L					1		59	59	35	8
46/ 45		. 9	1.2	2.4	1.9	. 9	•2									T		68	68	50	
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42/ 41		1.2	3.6	2.2	1.3	.7								Ţ				81	81	63	31
40/ 39	2	1.8	3.0	2.3	نمد	2				L				<u> </u>	<u> </u>			7 A	78	81	33
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34/ 33	.7	3.6	2.4	.6	• 2												1	67	67	91	77
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Rel. Hum.			· 									501		: 32 F	≥ 67	/ F	≥ 73 F	≥ 80 F	≥ 93 I	<u></u>	Total
Dry Bulb															ļ			 	+		
Wet Bulb									-				-		 			 			
Dew Point															<u> </u>						

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 0-26-3 (OL A, PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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PSYCHROMETRIC SUMMARY

ELL SHORTH AFR SD STATION NAME

0600-0800 HOURS (C. S. T.) PAGE 2

Temp.						WET	BULB .	TEMPE	RATUR	E DEPR	ESSION	(F)						TOTAL		TOTAL	4.— <i>-</i>
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 10	6 17 - 16	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Poi
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									L	1	<u></u>						<u></u>				
Element (X) Rel. Hum.	.	Σχ'			ž _X		X	* <u>*</u>		Ke. 0		± 0 F	1	≤ 32 F	Mean N ≥ 67		2 73 F	h Temperat = 80 F	a 93 f		Total
Dry Bulb			0626 1857		369		65.7 41.1				00		_	15.O		2		- 55 /			9.0
Wet Buib			2259		325		36.2	7.7	05		00			27.3							90
Dew Peint			9745		266		29.6			9	OO		2	57.9							90

PSYCHROMETRIC SUMMARY

26625	EL	LSHO	RTH	AEB ,	SD TATION N	AME				7.3=	82			Y	EARS						PR NTH
																		PAGE	1	DOORS	-1100
Temp.						WET	BULB	TEMPER	RATURE	DEPRE	ESSION (F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 . 5	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 72	23 - 24	25 - 26	27 - 21	29 - 3	0 * 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Poin
84/ 83														.1	• 2		T	3	3		
80/ 79											<u> </u>		1		-1	<u> </u>		2	2		
78/ 77		1				ĺ	i	i			.1	.2		1	:			3	3		
76/ 75		<u> </u>	ļ				 -			-1	L	1		 		ļ		2	2		ļ
74/ 73		}						1 .	• 1		•7		_					7	7		ļ
72/ 71		 	 			ļ	 		-2	2			1	 -	 	ļ		8	8	 -	
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68/ 67		┼──	 					2		-2				 		+	 		<u> 15</u>	 	
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62/ 61		 				6	. 7	1.3	1.1	.2	 			 	 	 	+	35	35	 	
60/ 59					. 4	- 4	1.7			2]			1	40	40	1	
58/ 57		•1	• 1	. 4	.6	. 4	1.9	.8	.7	.1				1		†	1	46	46	14	
56/ 55		2		3	6	1.3	2.2	1.4	-3			i		<u> </u>	1			61	61	17	}
54/ 53			. 3	. 6	.9	1.6	1.4	•7	. 4	ĺ								53	53	24	2
52/ 51		6	L	1.2	3	Lak	1.3		-1					<u> </u>		<u> </u>		65	65	41	4
50/ 49		• 2		1.3	1.3	1.6	1.4	.7										64	64	43	7
48/ 47			1.2	1.1		1.1	1.4	1			ļ			<u> </u>		┞		64	64	67	15
46/ 45		• 2	-4	2.2	1 - 4	. 9	.7					1		i				53	53	80	33
44/ 43				1.9	7	1.0		 	ļ <u> </u>		 	i		 		 -	- 	45	45	94	20
42/ 41	. 1	1	1 1	21	- 3	. 3	ł	1				i		1		İ		48	48	79	29
40/ 39		1.8	2.0	1-3	6	3	 							 		┼	+	54	<u>54</u> 29	92	33
38/ 37		1.0	1.2	. 9	- 1			 							1			29	29	84	61 89
36/ 35 34/ 33		101					 							 		 		30	30	58	76
34/ 33	• 6	1.7	- 1	- 1						1				i		İ		21	21	34	126
30/ 29		.9	1	. 4												 	1	16	16	24	73
28/ 27		3	1.1	. 1	ŀ			1										14	14	18	48
26/ 25		.9	- 4											ļ				12	12	14	69
24/ 23		-6					<u></u>											5	5	22	42
22/ 21		• 2	. 7															2	2	4	49
20/ 19			4													 		2	2	2	45
18/ 17		3		İ			!									-		3	3	1	31
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Element (X)		ΣX			- 1		X	· · · ·	+-	Mo. Ub	18.	5 0 F		32 F	Mean 7 67		73 F	h Tamperate	* 93 1		Total
Dry Bulb								 				_ : V F		34 F	- 10/		- /3 -	- 80 F	+ * * * *		
Vet Bulb																- +-		 	 		

USAFETAC FORM 0.26-3 OL A, PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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PSYCHROMETRIC SUMMARY

726625 ELL SHORTH AFR SD STATION NAME 1900-1100 HOURS (L. S. T.) PAGE 2

Temp.								TEMPER										TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	× 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Po
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12/ 11														ł	j l			•	-	1	10
10/ 9																		T			
8/ 7		1	ĺ	ĺ	ĺ	ĺ	ĺ	1 1		1		[ĺ	1 1		ĺ		1		i
6/ 5																	<u> </u>				1
OTAL	. 9	14.1	17.4	14.0	30.7	11.8	14.7	8.3	5.0	2.2	1.8	. 7	2	-1	.3		Ì		900	}	900
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el. Hum.							+					± 0 ₱	-	32 F	e 67 (73 F				
ry Bulb			71.73					19.76		9(_ = V F	+-					* 80 F	→ 93 F	·- '	618l
fet Bulb			1549			9 4	A.I	11.80	0	9.0			_	4.0	5_	6	1.7	5	4		90
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USAFETAC FORM 10-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

124425 ELLSHORTH AFR SO STATION NAME

PAGE 1 1200-1400 HOURS (L. S. T.)

Temp.		,	·				BULB										TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 . 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 2	9 - 30 + 3	1 D.B. W.B	Dry Bulb	Wet Bulb	Daw Pos
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84/ 83		Ļ								ļ <u>.</u>		<u> </u>		ļ	.2			2		i
82/ 81		1	ĺ	1	ĺ			1	ļ	1	1	.1	. 1	1	.3	- 1	5	5	İ	İ
80/ 79		ļ				ļ			<u> </u>	<u> </u>	2	-3					9	9		
78/ 77			[1			1	[[-1	.6	.3	. 1	-	[10	10		
761 75		<u> </u>	<u> </u>	<u> </u>						3	2	. 7	. 7	_al			18	18		Ĺ
74/ 73]		,				•2	. 3	.1	.2	.7	.6	• 3)]	i	22	22	j	İ
72/ 71							2	1	1	-2		2	1				14	14		
70/ 69			l				. 2	•2	.2	1.3	.6	. 3	. 2				28	28		Į
68/ 67			<u> </u>		1	-1		8		1.1	1.1	-1		<u> </u>			34	34		
66/ 65		1	ĺ				. 6	•6	1.1	1.1	.3	1		1	1	-	33	33		
64/ 63			1				6	1.7	1.6	1.0	-1						49	49		
62/ 61		1	ĺ			. 9	. 4	2.0	1.3	.4	.1	1 1		[1	47	47	1	
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58/ 57		ļ	.1	. 3	.7	1.0	• 6	1.4	1.1	.1	1			ŀ		ĺ	48	48	26	3
56/ 55		ļ			3	1.1	1.0	9	. 9	•2				ļ			40	40	13	
54/ 53		Ì	. 3	• 2	1.4	1.6	. 3	1.3	. 3					1			50	50	41	
52/ 51		2	2	8	1.2	7	1.3	1.4									53	53	70	2
50/ 49		. 3	• 2	. 4	1.7	1.0	1.3	.4		ĺ	[[[[49	49	67	8
48/ 47		-6	6	1.1	1.2	8	1.4	2		ļ	ļ				L		53	53	92	- 11
46/ 45		• 2	. 9	1.6	1.2	.6	. 7										46	46	80	27
44/ 43		6		2.8	1.4	2											52	52	68	26
42/ 41	• 1	. 6	1.2	1.1	•7	• 3											36	36	72	34
40/ 39		7	9	1.0	- 4	3											30	30	92	41
38/ 37		. 7	. 3	, 9	-1	1	1										18	18	78	50
36/ 35	2	1.1	3	1							ļ <u>.</u>						16	16	57	74
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Rel. Hum.												# 0 F		32 F	≥ 67 F	≥ 73 F	≥ 80 F	→ 93 F	<u>' </u>	otal
Dry Bulb													\bot			_				
Wet Bulb																ļ				
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USAFETAC FORM 0-26-3 (OL A). PREVIOUS EDITIONS OF THIS FORM ARE OBSIGNETE

PSYCHROMETRIC SUMMARY

726625 ELLSHORTH AFR SO

1200-1400 HOURS (L. S. T.) PAGE 2

Temp.		,	,	,				TEMPER										TOTAL		TOTAL	
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18/ 17		. 3		i						1					Į			3	3	2	3
16/ 15		-1												L				1	1	4	2
14/ 13		i]				i			i	
12/ 11																			ļ.		1
10/ 9					Ì	1															
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FORM 0-26-3 (OL A: PREWIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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USAFETAC

PSYCHROMETRIC SUMMARY

726625 STATION	. u	LLSWO		3	TATION N	IAME				7.3=				Y	ARS				M	PR
																	PAGE	: 1	1500 HOURS	= 170 it. s. f.
Temp.								TEMPE									TOTAL		TOTAL	
(F)	Q	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30 2 3	1 D.B. W.B.	Dry Bulb	Wet Bulb	Dew P
86/ 85															• 1	•2	3	3		
82/ 81			 -							 -	-	•		.1	• 3		9	<u></u>	 	
80/ 79			l								• 1	-1	• 3	• 1	• 3		8	A	1	
78/ 77										.1	.8	.4	. 1				13	13		1
76/ 75		ļ			ļ			ļ	1	3	2		4	1			15	15	ļ —————	<u> </u>
74/ 73			1			• 1		İ	.3	.1	. 4	1.0	.7	• 2			26	26	1	
72/ 71		-				-1			 	7	- 4	-6			ļ <u>-</u>		25	25		ļ
70/ 69 68/ 67				İ	.1			• 3	• 6	.6	1.1	.2	Ì				26	26	ĺ	-
66/ 65		+				• 2	2	.4	1.9	1.0		- 9					43	43		}
64/ 63		į l				. 2		1.2	2.0	1.0	• •				ĺ	Ì	41	40	2	
62/ 61					• 2	. 4	. 9		1.0	.8	<u> </u>						42	42	3	ļ
60/ 59			. 1			A		1.7	1.2	.2	. 2					ľ	43	43	16	1
58/ 57				.2	.7	. 8	. 4	1.3	1.6	. 2							47	47	19	
56/ 55		J	1	3	- 2	. 7	6	1.4	- 9			 					38	38	16	
54/ 53		- 1	• 9	• 2	-8	1.6	1.0		• 1							İ	53	53	37	
52/ 51		 	2	7	- 8	1.2	بمد	1.9									53	5.3	61	
50/ 49		• 2	.8	. 6	1.2	. 9	. 6	.7					ŀ			1	46	46	98	١.
48/ 47		.9	. 3	1.3	3 0	. 4	.1.1										59	59	74	1
44/ 43			- 7	1.6	2.0		• >								1	1	48	48 40	72 79	2
42/ 41		1.4	1.2	1.1	. 9	. 6											47	47	85	3
40/ 39		-2	7	1.2	2												21	21	82	5
38/ 37		1.3	. 9		. 2	ĺ											22	22	74	3
36/ 35	1		6	1	1												17	17	68	7
34/ 33		• 7	. 7	• 4	• 2									İ			18	18	28	9
32/ 31	3		- 9	1.2													26	26	18	9
30/ 27		• 1	. 9	• 2								-			1	ĺ	11	11	13	8
28/ 27 26/ 25						-											10	10	16	7
24/ 23		2				l					1	ł		- 1	i		2	,	26	6
22/ 21		. 1															1	1	1	6
20/ 19																	1	3	•	6
Element (X)		Z _X ']		z X		X	₹		No. Ob	•-						ith Temperatu	10		
Rel. Hum.												± 0 F	- 1	32 F	* 67 F	≥ 73 F	> 80 F	≥ 93 F		rotal
Wet Bulb						+												ļ		
Dew Point						-		·								-		 		
					····															

USAFETAC JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC PSYCHROMETRIC SUMMARY 2 726625 ELLSHORTH AFR SD. STATION NAME PAGE 2 WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B. W.B. Dry Bulb Wet Bulb Dew Poin 18/ 17 16/ 15 43 - 1 • 2 14 14/ 13 6 12/ 11 10/ 9 5 900 TOTAL 900 900 900 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE 0-26-3 (OL A) Element (X) No. Obs. Mean No. of Hours with Temperature Rel. Hum. 1 32 F ≥ 67 F ≥ 73 F ≥ 80 F 45.720.498 2253251 Dry Bulb 2758578 48402 53.813.153 900 90 Wer Bulb 42.9 8.182 38642 900 8.6 90 1719298 90

PSYCHROMETRIC SUMMARY

ELLSHORTH AFR SO

1800-2000. PAGE 1

Temp.						WET	BULB 1	TEMPER	ATURE	DEPR	SSION	(F)					TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 2	9 - 30 - 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Pair
78/ 77										.1	.1		Ī	1			2	2		
76/ 75									1			4	L				5	5	l	
74/ 73		[•1				. 2	[.1		.1			5	5		
72/ 71					•		1	.2	. 2	3	. 3		L						l	ì
70/ 69							• 2			. 1	.1	.2					6	6		
68/ 67					-1	. 1	- 3	3	.2	8			1	l	Lil		21	21		
66/ 65						. 3		•2	. 9	. 3							18	18	1	
64/ 63					1	2	3	3	7	4	- 4						23	23		ļ
62/ 61			• 1	. 1	. 3	. 3	- 4	1.4	1.0	. 2						ĺ	36	36	1	1
60/ 59					2	3	1.4	9	- 4	2							32	32	4	
58/ 57				. 3	• 2	1.1	.9	1.8	. 4		ļ						43	43	10	1
56/ 55				. 2	7	1.8	1.8	1.4	-6	1				ļ			59	59	10	1
54/ 53			. 1	. 7	• 2	1.1	1.7	. 4			İ			Į.			38	38	16	
52/ 51		1	. 7	7		1.3	1.7										60	0.0	22	2
50/ 49		. 6	. 9	. 7	1.6	1.0	1.1	•2				ļ		Ì			54	54	46	8
48/ 47		2	1.1	1.2	1.0	1.2	1.0	1				Í			ļ		5.7	53	70	16
46/ 45		2.2	. 4	1.7	1.4	1.3	. 8										71	71	76	20
441.43			2.6	1.9	1.7	7								ļ	 		65	65	93	25
42/ 41		1.0	2.2	1.8	1.0	• 9								i			62	62	86	37
40/ 39		1.1	1.6	1.6	_1.43						<u> </u>			ļ			50	50	91	26
38/ 37		1.1	1.9	1.2	.7						!		İ				44	44	83	51
36/ 35	3	1.2	1.3	. 7	1												33	33	87	79
34/ 33	. 1	1.4	1.3	. 4	• 2						•						32	32	62	97
32/ 31	3	1.6	-1.0	1							ļ			ļ			27	27		97
30/ 29		• 1	1.2	- 4			ļ							ĺ			16	16	33	72
28/ 27		3	8								ļ. <u></u>			ļ			10	10	16	7.0
26/ 25		.8	. 7	- 1							i						13	13	19	79
24/ 23						-	-										 -	 	14	30
22/ 21		. 4			ł	1										ľ	4	4	9	64
20/ 19		2															- 2			49
18/ 17		- 1					1					ł					1	1	2	43
16/ 15		1										·			 -		- <u>-</u>-			
14/ 13	_	• 1		+				1									1	1	1	13
12/ 11 Element (X)	1	Z _X '			t x		¥		· · · · · · · · · · · · · · · · · · ·	No. OL	8.				Mean No.	of Hours wi	th Tempera	ture		3
Rel. Hum.					^			^				101		32 F	≈ 67 F	≥ 73 F	= 80 F	- 93 F		Total
Dry Bulb									-+-		+					+	· · ·			
Wet Bulb																+	1			
Dew Point																+	+			
			1			1					1									-

USAFETAC FORM 0-26-3 OL A; PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY&

726625 ELL SHORTH AFR SD STATION NAME PAGE 2 1800-2000 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F)

TOTAL

1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 21 | D.B. W.B. Dry Bulb | Wer Bulb | Dew Poin 10/ .913.217.913.712.711.811.8 8.0 4.8 2.7 1.4 TOTAL . 1 899 899 899 899 Element (X) Mean No. of Hours with Temperature Rel. Hum. 2 0 F ≤ 32 F ≥ 67 F = 73 F = 80 F ≥ 93 F 54.619.658 49067 3024951 1.00 Dry Buib 42966 899 90 Wet Bulb 35924 40.0 7.741 899 90 1490210 14.1 Dew Peint A 99 9.0

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE C. Fr

0-26-3 (OL A,

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC 726625 ELLSHORTH AFB SD STATION NAME

PSYCHROMETRIC SUMMARY

PAGE 1

er Bulb		128	5345 3341 1750		381 333 247	23	12.4 17.0		1		10		1 -	3.2	•	5				1	61 61 61
el. Hum.		389	8113		571		63.5	17.4		9 (20	2 O F		32 F	e 67		73 F	≥ 80 F	• 93 F	7	otal
TAL		20 • 3	26.9	16.1	13.2	11.2	5.9 X	2.2	1.2	No. Ob	. 1				Maga N		المزيد وريد	900 Temperatu	900	900	900
8/ 7																					
2/ 11	1									 								i	1	1	
6/ 15 4/ 13	. 2	1			· ·										-			2	2	2	2
8/ 17																				6	4
2/ 21	2	. 4 . 8	• 1															5	5	16	5
4/ 23		6	7									<u> </u>						-11	11	10	
8/ 27 6/ 25		1.0	• 2 • 3	.2						 								5 14	5 14	50 16	£
0/ 29	• 2	1.1	1.3														ļ	24	24	51	
4/ 33	-6	2.5	1.2	• 9	•1									j				51 60	51 60	61 86	1.
6/ 35	2	1.6	2.4	1.8	3			 		ļ								5.7	57	115	£
0/ 39 8/ 37	•2	1.4	2.7	1.8	1.4 8.	2 .1				 		,	 				ļ	63	63	95 97	4
2/ 41		1.4		1.7	1.2	• 8												74	74	70	
6/ 45	- 3	1.4	1.8	1.2	1.8	1.8	. 3										Ì	70 68	70 68	62 69	
8/ 47		6	1.4	1.0	1.9	1.6	3	<u> </u>										61	61	42	
2/ 51		.4	1.7	. 8	1.1	1.2	1.1	3							-			51 54	<u>51</u>	12 13	ļ
4/ 53			.3	. 2	.6		.9	.3							 		 	الا ـــــــــــــــــــــــــــــــــــ	35	10	
8/ 57 6/ 55		• 2	• 3	.3	8	1.0	1.1	.2		,		ĺ			i		1	20 1 x	30	4	
2/ 61				.3	.1	-4	- 1	.2	3	1		ļ 1			:			1.5	. 5		
4/ 63			ļ				1	1	!								!	£	3		
6/ 67					•2			1	1			 					\ <u>-</u>	2	<u>3</u>		
0/ 69							• 1											1	2		
(F)	0	1 - 2	3 · 4	5 . 6	7 . 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 . 26	27 9	29 - 30	3 ≥ 31	D.B W.P	Jan Such	Wet Bulb	Dew P

USAFETAC FORM 0.26-3 OL A: PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

726625 ELLSHORTH AFR SO STATION NAME

PSYCHROMETRIC SUMMARY

APR.

HOURS (1. 1. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 + 31 D.B. W.B. Dry Bulb Wet Bulh Dew Point 86/ 85 • 0 •1 84/ 83 82/ 81 • 0 . 0 • 1 14 14 <u> 80 (79</u> 19 19 78/ 77 • 1 • 0 28 76/_75 40 40 74/ 73 . 1 • 2 . 2 • 2 • 1 60 60 72/ 71 59 59 70/ 29 . 0 .0 •1 - 1 . 3 • 3 . 1 78 78 _63Z_6 \ 117 117 L6/ 65 . 2 .0 121 121 641 63 148 62/ 61 •1 • 3 .0 179 179 5 1 60/ 59 212 212 33. .0 58/ 57 . 3 240 240 56/ 55 299 299 63 54/ 53 .0 • 5 • 1 300 300 141 11 52/ 51 366 366 239 19 50/ 49 . 9 .8 1.3 • 3 393 393 302 48/ 47 448 448 432 87 46/ 45 1.6 1.5 455 455 483 169 44/ 43 467 467 568 187 42/ 41 1.3 2.3 1.0 . 6 512 512 573 246 40/ 39 470 470 669 306 38/ 37 2.4 1.6 434 435 685 375 383 383 720 542 34/ 33 2.1 387 387 537 656 32/ 31 358 358 464 843 30/ 29 1.0 1.2 . 2 176 176 368 662 28/ 27 107 107 297 521 26/ 25 . 8 • 5 • 0 93 93 190 618 24/ 23 297 55 55 125 22/ 21 . 1 57 57 87 472 Element (X) No. Obs. Mean No. of Hours with Temperature Rel. Hum. 10 F . 93 F Dry Bulb Dew Peint

73-82

471 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLIFIE

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OSWOLLD OF SEASONS ENTIONS O

1

USAFETAC FORM 0.26-3 OL A PREVIOUS EDITIONS OF THIS FORM AF 1950LETE

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USAF	ETA	C		
AIR	WEA	THER	SERVICE	E/MAC

ELLSHORTH AFR SO

PSYCHROMETRIC SUMMARY

																		E Z	HOURS	LL. IL. 5, T,
Temp.					, 			TEMPER									TOTAL	ļ	TOTAL	12 2
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 . 74	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 2	9 - 30 =	31 D.S. W.B			
18/ 17	•0						İ										19			
16/ 15		2				 	 			 	 	 -					11	11	22	
14/ 13	•0	+ 1	1	!						1							10	10	17	11
12/ 11	0				 	ļ	 	-		 	 	·					3	3	3	
10/ 9	.0	• 0				ļ				1							3	3	3	
6/ 45	• 0	(<u> </u>	 -			 	·	!	† — †				3	1	3	
4/ 3	• •	• 0				İ	!				ļ	1			i			, ,		ļ
2/ 1																				1
0/-1						<u></u>					<u> </u>									İ
-2/ -3																	İ		į	
OTAL	1.9	18.1	20.5	15.7	11.6	9.3	7.2	5.8	4.0	2.2	2.6	1.1	-6	1	2	_1_		7198		719
j	1											ļ	·]	j	7197	Ì	7197	
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lement (X)		EXI			Σλ		X	7 ,		No. Ob	s.				Mean No	. of Hours	with Tempera	ture	<u> </u>	
el. Hum.		2724	1924		4183	44	50.1	20.14	.7	71	97	± 0 l	F .	32 F	≥ 67 F	2 73	F - 80 F	= 93	f '	Total
ry Bulb		1601		_	327A	12	45.5	12.29	o .	71				5.5	42.	17	.4 3.	9		7.
fet Bulb		1119			2773					71			- 1 -	7.0						7.
Dew Point			TOUR		2118		29 7	B . A C		71			. 7 45			- 1	ŀ	- 1		. 7:

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PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE USAFETAC FORM 0-26-3 OL A. GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

726625 ELLSHORTH AFR SD STATION NAME

																			PAG!	Ε 1	HOURS	-0200 L. s. T.
Temp.										E DEPRE									TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 1	0 11 - 1:	2 13 - 14	4 15 - 1	6 17 - 18	19 -	20 21	. 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Po
70/ 69		İ	i		- 1		1	1		ı İ			- [ĺ				3	3		
68/ 67		ļ	 			1	11		2						<u> </u>	L		1	A	8	<u> </u>	
66/ 65				.4	2	<u>.</u>	1 . 1	2	2				i			İ			10	10	i	
64/ 63			ļ	1	1.4							_			L	<u> </u>	ļ		16	16		L
62/ 61		.1	2				6 . 3	1							ļ		1	1	23	23	3	
60/ 59		1	3	1.5		-	5 1.2	<u> </u>								↓		L	47	47	a	11
58/ 57		- 5	1.3	1.1	1.1		8 .4	·I	[- 1		1	1		İ	48	49	9	1
56/ 55		وم	11.3	11.2	1100	2	9 .1	4	Ц							<u> </u>	ļ		54	54	33	1:
54/ 53		1.3		2.0	1.2	1.	2 . 5	i					- 1		ĺ			[63	63	52	1 2
52/ 51	1	2.3		_	1.5	نمــــان	2 4	 							<u> </u>			<u></u>	88	88	63	30
50/ 49	-1	3.0	4.1			•	4						}						97	97	56	49
48/ 47	3	4.0	4.1	2.7	1.1.0	 	5	 	<u> </u>							<u> </u>	ļ		118	118	116	51
46/ 45	. 1	2.3	2.0	2.7	1.9							ĺ			[ĺ	}		87	87	117	85
44/ 43		2.2		3.1	3		L	<u> </u>	<u> </u>							ļ	<u> </u>		78	78	97	82
42/ 41		1.4	2.8	1.7	.6	, J	.1		j									J	62	62	81	66
40/ 39	1	1.4	2.6	 1.3	-3		Ц	ļ	ļ				\dashv			<u> </u>	L	<u> </u>	54	54	84	99
38/ 37	• 1	• 6	1.2	. 6	.2	:1						-				{		Į	26	26	80	70
36/ 35	1	2										4				<u> </u>			26	26	46	81
34/ 33		• 3	. 1	• 3	:[,	1	1	!		1	- 1						7	7	32	64
32/ 31		5		-2	·	ļ		├ ──	-i							ļ			10	10	21	56
30/ 29		. 1		!	•					1 1		Ì							3	3	16	43
28/ 27		2		 	├ ──		 		_				 ∤-						2	2	12	4.1
26/ 25									1										j		4	23
24/_23			-			 			 									L	L			14
22/ 21			ł	1			1						-				j				ĺ	18
20/ 19			 	ļ	 		┦—	ļ	ļ								<u> </u>					11
18/ 17							İ			!				- 1] į			3
16/ 15			ļ	<u> </u>						+									 			4
14/ 13					İ			ļ				1]]			4
12/ 11			ļ	ļ	 	-	 -	 	 	 		- 				ļ <u>.</u>			 			1
TOTAL	1.0	21.4	27.3	24.4	14.9	6.5	3.9	۰5	. 1	·				}			ļ			930	i	930
			-	 -		-	 		 	 			-			! 			930		930	
Element (X)		Z x²			z x	<u> </u>	<u> </u>		l,	<u> </u>		<u>, </u>	\perp			<u> </u>				_		
Ref. Hum.						_+-		•,		No. Obs		 		- T-	22 5				Temperat			
Dry Bulb			4533	 	-644		49.3			- 91		 	0 F	- + - 5	32 F	≥ 67		73 F	> 80 F	≠ 93 f		Total
Wet Bulb			4454	 	453		48.8		97 -	9.		+			1.5	1	-1					9.3
Dew Point			4720	 	408		43.9	6.8	61 -	93	_	 			5.3				ļ <u> </u>	+		37
		-145	0878	Ц	_358	70	38.6	4.6	36		9_	ــــــــــــــــــــــــــــــــــــــ			21.8	<u> </u>				1		0.7

PSYCHROMETRIC SUMMARY

ELLSHORTH AFR SD STATION NAME

0300-0500 HOURS (L. S. T.) PAGE 1

Temp.						WET	BULB '	TEMPERA	TURE	DEPRE	SSION	(F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5.6	7 - A	9 . 10	11 - 12	13 - 14 1	5 - 16	17 - 18	19 . 20	21 . 22	23 - 24	25 - 26	27 . 28	29 . 30	0 + 31	D.B. W.B.	Dry Bulb		Dew Pa
			-		1		1	1.0 - 1-11		···		1-1				1	+	—			
68/ 67				_	• 1	1				Ì		1			ł			1	1		
66/ 65				3	2		 					 		 			 	 3		 -	
64/ 63			• 1	• 1	• 1	• 1				-		Ì			ļ	1	i	4	4		ł
62/ 61				• 4	• 3	1 -2	 		-			 				 	 	+	7.0	 	ļ
60/ 59			• 3	.5		- 5	-1	l l		- 1				}		1		24	24	6	
58/ 57			1 + 4													 		Ţ		• • •	,
56/ 55 54/ 53		1.5	1.5	1.1	. 8	.8		•2									1	5 5 5 9	55 59	15	1
		1-4		2.3								 				-	+	71	71	54	2
52/ 51	• 6	1.1	2.0	2.3	1.0				ļ							1	ļ	96	96	50	4
46/ 47			202	3.4		-4				+		 -					1	140			4
48/ 41	• 3	5.2	4.2	3.4	1.6					l							i	97	97		7
44/ 43		1.8	1.5	_												1		64	64	105	8
42/ 41		2.8	7.7	2.4														A 3	83	91	7.
40/ 39		1.1	3.4		.8	_												58	58	78	8
38/ 37		. 9	2.5	1.6	.1	1] ;			ļ							}	48	48	83	8
36/ 35	. 3	. 2			1													26	26		5
34/ 33	• -	. 3	- 9	. 8						1								19	19		6
32/ 31		5	. 8		.1		i											16	16	32	7
30/ 29			- 4													L	<u> </u>	4	4	21	4
28/ 27			. 1						- 1									1	1	13	41
26/ 25		2				<u></u>												2	2	6	3
24/ 23		. 3								l		1	ļ				į	3	3	3	1
22/ 21					ļ	L										ļ	ļ		ļ	3	1
20/ 19			ĺ				l		-				l			l					1
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16/ 15	1																				
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12/ 11	-									+							1		ĺ		
OTAL	1.8	24.8	30.2	26.9	11.2	4.1	- 5	-4								 	 	·	930		93
									1				!			l		930		930	
					_											Ì	 	ļ			
11		T			<u> </u>	L	L									1- 1:	<u> </u>	1.7			
lement (X)		z X ,			Z X		X			No. Obs	+		. —	22.5				h Tempera = 80 F			rotal
Ory Bulb			9446		667			14.19		91		101	- + - •	32 F	≥ 67		: 73 F	2 80 F	• 93		
Wet Bulb			7275		435			7.17	5	93			+-	2.6	·····	-1 -		 			9
Dew Point			1380		796		42.6	4-88	2	93				7.8	· · · · · · · ·						9
Zem Editt		170	3645		3.50	89	37.7	1.66	A. I.	9.3	וח ו		1 :	25		- 1		1	_1	i	9.

FORM 10-26-3 OL A. PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

726625 FLLSHORTH AFR SD STATION NAME

PSYCHROMETRIC SUMMARY

PAGE 1 0600-0800 HOURS IL. S. T.1 WE'T BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. TOTAL (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point 80/ 79 1 74/ 73 72/ 71 • 2 . 3 . 1 6 6 70/ 69 7 7 68/ 67 . 2 . 2 •5 .1 18 18 66/ 65 29 29 64/ 63 . 5 . 3 1.5 1.0 . 1 36 36 .4 62/ 61 3.7 37 60/ 59 1.4 1.6 1.1 .1 64 10 .2 64 58/ 57 A 70 70 13 56/ 55 1.0 1.2 2.2 74 . 6 1.4 1.4 •2 74 51 54/ 53 . 8 2.4 -2 86 86 55 25 52/ 51 1.5 2.2 3.0 2.3 1.2 103 103 80 49 50/ 49 1.9 3.7 1.6 108 108 97 42 48/ 47 • 3 2.7 1.9 1.5 1.3 . 6 .1 79 79 121 51 461.45 60 60 118 94 44/ 43 2.0 1.3 1.0 • 3 . 2 45 45 103 85 42/ 41 1.4 38 38 92 105 40/ 39 . 9 • 2 . 1 27 27 59 87 38/ 37 33 .8 74 36/ 35 . 1 . 1 • 2 • 6 .1 11 11 25 62 34/ 33 20 6 6 64 32/ 31 • 4 . 1 0 0 7 45 30/ 29 45 28/ 27 . 1 25 6 26/ 25 19 24/ 23 9 22/ 21 20/ 19 14 18/ 17 16/ 15 4 14/ 13 TOTAL 1.416.619.217.719.612.8 7.4 2.7 1.6 930 . 6 930 Element (X) No. Obs. Mean No. of Hours with Temperature Rel. Hum. : 0 F : 32 F ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F Total 4139378 Dry Bulb 2605371 48649 52.3 8.070 930 1.1 3.8 93 Wet Bulb 2016240 42876 930 93 Dew Point 26899 93

3 (OL A, PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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I.

USAFETAC FORM 0-26-

PSYCHROMETRIC SUMMARY

ELLSHOPTH AFR SO STATION NAME

PAGE 1 1000 - 1100 HOURS (L. S. T.)

Temp.											ESSION							TOTAL		TOTAL	
(F)	C	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 . 2	6 27 - 28	29 - 30	× 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Po
84/ 83											. 1		• 2			ļ		3	3		
82/ 81			İ	Ĺ		Ì	l					-1	-			İ	ĺ	, ž	1		
80/ 79			T					•1	.1	.6	1	.1]	i		11	11		
78/ 77								-1	. 5	. 8		-1		1		į	ļ i	18	18		
76/ 75	·						. 1	.3	• 5	. 8	. 3	.1			1			20	20		i
741 73					- 1	. 2	u	8	.9	1.1	1 . 4	. 2	.1	ĺ		1		39	39		ĺ
72/ 71					• 1	1.0	. 6	.4		.4	.2		.1					37	37		
707 69				- 1		- 0	. 9	1.2	. 0	. 0	1		•	ĺ	1		1	45	45		!
68/ 67				. 1	• 5	. 9	1.4	1.9	.5	.3	. 3	• 2					:	58	58		
66/ 65			1		2	1.5	1.8	1.0		- 9	. 2	, , ,					İ	61	61	3	
64/ 63				. 4	1.5	1.2	. 9	1.8	.9	. 1								63	63	9	
62/ 61		- 3		1.1	1.0	1.1	1 4	2.0	- 6									70	מנ	42	
60/ 59		• 2	• 5	1.3	.6	1.1	1.3	1.8	• 2		i			Ī			1	66	66	42	
58/ 57		- 3	8	1.2	1.0	2.4	1.2	1.6						İ				7.A	78	68	
56/ 55		• 5		1.5	2.0	1.6	1.9	.4							1			80	ao	79	2
54/ 53			. 8	1.2		1.1	9	A						İ	<u> </u>		İ	54	54	102	3
52/ 51	. 2	. 3	.6	. 9	1.2	1.1	. 5	.1	•1									47	47	85	4
50/ 49		3	1.8	6		. 2	2	-2			l				1		l	40		83	6
48/ 47	. 3	2.2	1.7	. 6	• 5	. 4	. 3											57	57	119	7
46/ 45		1.3	1.3	9	2	3											ļ	37	37	95	7
44/ 43	1	• 5		• 2	• 1		ĺ				[ſ	1 1		i	8	8	79	9
42/ 41		3	- 3	. 2	1	2												11	_11	50	A
40/ 39		. 1	. 1	. 2	• 1													5	5	26	7
38/ 37		3	-1	1	1													6	6	17	
36/ 35	. 3	. 1	. 1	. 1	• 1	- 1	ľ	ľ	' I			1			1 1		(7	7	13	5
34/ 33															<u> </u>					5	5
32/ 31		. 3	. 3														į	6	6	5	4
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18/ 17		أسبب																		i	
lement (X)		Σχ'			X		X	" *		No. Ob	s.							Temperat			
Rel. Hum.						_ _						± 0 F	' !	32 F	≥ 67	F ,	73 F	≥ 80 F	■ 93 F	1 1	otal
Pry Bulb																					
Vet Bulb																			ļ		
Pew Point			ļ						1		i		1			1			l	- i	

FORM 0.26-3 (OL A). PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC 726625 ELLSHORTH AFB SD STATION NAME

PSYCHROMETRIC SUMMARY

0900-1100 HOURS IL. S. T. PAGE 2 | TOTAL | TOTAL | | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | > 31 | D.B.-W.B. Dry Bulb | Wer Bulb | Dew Point 16/ 15 14/ 13 12/ 11 TOTAL 930 930 930 930 Element (X) No. Obs. Mean No. of Hours with Temperature Rel. Hum. ≤ 32 F ≥ 67 F ≥ 73 F * 80 F * 93 F Total 48948 9.10 5 0 F 2899514 Dry Bulb 59.5 9.752 55370 93 3384942 930 2344969 46263 49.7 6.851 930 93 Dew Point

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE <u>ರ</u> 0-26-3 FORM JUN 71

U GLOBAL CLIMATOLOGY BRANCH PSYCHROMETRIC SUMMARY 2 USAFETAC AIR WEATHER SERVICE/MAC 726625 ELLSHORTH AFR SO STATION NAME 1200-1400 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B. W.B. Dry Bulb Wet Bulb Dew Poin 90/ 89 88/ 87 11 86/ 85 . 1 • 5 11 84/ 83 10 10 82/ 81 23 23 . 8 AD/ 79 32 78/ 77 34 34 . 2 . 8 76/ 75 1.0 . 9 74/ 73 1.1 41 41 . 2 1.1 72/ 71 43 70/ 69 1.0 57 57 60 68/ 67 60 66/ 65 71 71 64/ 63 59 59 1.4 1.2 62/ 61 1.0 65 65 53 60/ 59 68 55 68 58/ 57 1.6 . 9 . 6 1.2 1.0 56 56 81 8 . 6 93 1.0 54/ 53 44 44 33 . 6 . 3 52/ 51 52 52 44 50/ 49 37 37 88 60 48/ 47 28 90 28 66 46/ 45 . 6 1.3 27 27 83 94 87 42/ 41 42 80 40/ 39 74 26 38/ 37 80 • 3 36/ 35 34/ 33 1 4 44 32/_31 60 30/ 29 34 27 28/ 27 26/ 25 26 24/ 23 Element (X) Mean No. of Hours with Temperature ≥ 67 F = 73 F = 80 F = 93 F Rel. Hum. ≤ 32 F Total Dry Bulb Dew Point

PSYCHROMETRIC SUMMARY

726625 ELLSHORTH AFR SD STATION HAME PAGE 2 1200-1400 HOURS (L. S. T.)

Temp.			**********			WET	BULB '	TEMPER	ATURE	DEPRE	SSION	F)						TOTAL		TOTAL	
(f)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 2	29 - 30	× 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Poir
22/ 21			1																	-	11
20/ 19														l	L						7
18/ 17		ļ																			3
16/ 15		Í		1	1]											-	2
14/ 13																					1
OTAL	5	4.3	9.1	7.1	8.2	10.1	12.2	3.1	14.2	8.5	5.8	2.7	2.4	1.5	.1		.2		930		930
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Element (X)		Z X 2		<u> </u>	t x		X	₹		No. Ob	s							Temperat			
Rel. Hum		237	6058	ļ	436	5.2	46.0	14.74	55		30_	= 0 F	1 1	32 F	≥ 67 F		73 F	- 80 F	→ 93 F		Total
Dry Bulb			5079		588	71	63.3	10.4	3	9.	30				36.1	0 2	0.0	6.5	i		93
Wet Bulb			7263		477	69	51.4	4.8	53	9	30										93
Dew Point		160	2500		317	21	10.6	4.50	25	0	30			لنبعا							93

FORM 10-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

726625 FLI SNORTH AFR SD STATION NAME

PSYCHROMETRIC SUMMARY

																		PAGI	- J	HOURS	-1700
Temp.								TEMPER					/-	·	·		,	TOTAL		TOTAL	
(F)	0	1 - 2	3 . 4	5 . 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	→ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Po
88/ 87							1	1	ł	İ	.2			.1	.2	•1		6	6		
86/ 85					ļ	 -			 	-1	ļ	3_	1	-2	-1	-1		9	9	<u> </u>	
84/ 83											.5	• 2	• 6					14	14		
82/ A1						-	-	 	1	- 4	- 9	- 4	- 2	- 4	ļ	 -		23	23	ļ	
80/ 79 78/ 77							١.		. 4	1.2	.6	•6	1.1	• 1	ŀ	1		38	38		
76/ 75					-							1.0			 	 -		37	37	 	
74/ 73						_	• 5	i .	. 8	1.3	l .	.8	.1	.3	1			43	43		
72/ 71					• 1	.5	.9	•6	1.1	1.1	.9	- **			 			48	48		
20/ 69					- 2	.3	. 3	1.6	1.0	1		i		i	ľ	1		52	52	l	
58/ 67				. 1	• 6	وخانات	.8	•9	2.3	1.4	.6				1			65	65	3	
56/ 65					3	5	1.1	2.2	1.0	4				<u></u>				62	62	7	
54/ 63		.1	. 3	. 6	. 3	. 8	1.2	1.2	1.4	. 8	.1							63	63	32	T
62/ 61			1	4		1.0	9	1.3	1.6	-1				L	<u> </u>			5.7	57	44	
50/ 59			. 3	. 3	1.4	. 9	. 8	1.0	• 5		i			İ		i		48	48	68	
8/_57		1		9	1.3	1.7	5	6	6	 					<u> </u>	1		5A	5A	7.3	1
56/ 55		. 3	1.0	. 6	• 9	1.2	1.1	.4	• 2					j	ļ]]		53	53	82	1
4/ 53			1.5	1.8	9	. 9	_1.1	3	2	 -								62	62	90	3
52/ 51	. 3	• 1	1.3	. 8	. 6	• 3	. 8	•1	• 1	1								41	41	115	3
8/ 47	. 2	8		. 9	. 3	1	2			 				 	-			32		107	3
6/ 45	• 4	- 4	1.3	• 7	• 3		.4			ł	1	}		1				33 23	33 23	103	8
4/ 43		. 2	. 3															5	5	57	9
2/ 41			i		3			L										4	4	42	á
0/ 39		. 3	. 2	. 2														7	7	13	71
18/ 37				1														i	i	9	A
6/ 35			1															1		6	6
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6/ 25		+			+													 			1
4/ 23				1															}		1
lement (X)		E X'			×		X	7,		No. Ob	. 	-			Mean N	lo. of He	urs with	Temperati	ure		
el. Hum.					·		1	<u></u>				± 0 F	-	32 F	£ 67		73 F	- 80 F	4 93 F		Total
y Bulb									7						<u> </u>				1		
et Bulb												·							1		
ew Point																					

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY USAFETAC AIR WEATHER SERVICE/MAC 726625 FLLSHORTH AFB SD STATION NAME PAGE 2 1500-1700 HOUAS IL. S. T. WET BULB TEMPERATURE DEPRESSION (F) 1 . 2 3 . 4 5 . 6 7 . 8 9 . 10 11 . 12 13 . 14 15 . 16 17 . 18 19 . 20 21 . 22 23 . 24 25 . 26 27 . 28 29 . 30 . 31 D.B. W.B. Dry Bulb Wer Bulb Dew Point 20/ 19 18/ 17 16/ 15 14/ 13 930 TOTAL 3.110.3 7.4 8.5 8.811.011.413.5 9.9 7.4 3.4 2.7 1.4 .2 930 930

46.219.273

63.710.734

42994

59204

47843

2332706

3875984

2502175

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE 0.26-3 (OL A,

FORM I

Element (X)

Rel. Hum.

Dry Bulb

Wet Buib

Dew Point

GLOBAL CLIMATOLOGY BRANCH

9.30

930

9.30

930

Mean No. of Hours with Temperature

+80 F →93 F

≥ 67 F ≥ 73 F

Total

93

93

MAY

PSYCHROMETRIC SUMMARY

726625 ELLSHORTH AFR SD STATION NAME PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B. W.B. Dry Bulb Wet Bulb Dew Pain 84/ 83 80/ 79 3 3 78/ 77 18 18 . 5 76/ 75 .1 . 1 • 2 14 14 74/ 73 28 28 72/ 71 . 2 • 6 . 2 . 2 . 1 25 25 70/ 69 34 68/ 67 1.3 1.0 . 3 . 3 • 1 42 42 66/ 65 60 <u>na</u>. 64/ 63 1.3 . 3 1.2 53 53 10 621 61 65 65 60/ 59 1.6 1.2 1.2 . 2 70 70 44 5 58/ 57 73 53 56/ 55 73 73 23 54/ 53 69 76 69 52/ 51 1.3 2.0 1.6 . 6 73 73 86 39 50/ 49 67 107 41 67 48/ 47 2.9 . 1 1.6 1.2 . 3 63 116 46/ 45 40 40 105 87 44/ 43 1.1 • 5 • 3 • 3 25 25 86 84 42/ 41 57 92 12 40/ 39 29 87 38/ 37 27 44 36/ 35 2 12 70 34/ 33 48 32/ 31 - 1 45 30/ 29 22 28/ 27 24 26/ 25 12 24/ 23 9 22/ 21 9 20/ 19 11 Mean No. of Hours with Temperature Rel. Hum. Dry Bulb Wet Buib

0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

VETAC FORM 0-26-3

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1 1850 and 1500 and

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PSYCHROMETRIC SUMMARY

726625 ELLSWORTH AFR SD STATION NAME 73-82 YEARS MAY

PAGE 2 1800-2000 HOURS (L. S. T.)

Temp.						WET	BULB	TEMPER	RATURE	DEPRE	SSION	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 2	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Buib	Dew P
16/ 15								1													T
TAL	. 5	0.5	14.5	12.8	12.4	1 4 4	12.5	10.6	6 . R	7.4	1			.2		1	1	1 1	930		93
		7.0.2		22.0	-	3343	- }}-84-		-		- 2. 							930		930	
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el. Hum.		327	7073		5230	23	56.2	م و	- 40		30	2 0 F	4	32 F	≥ 67 F		73 F	≥ 80 F	→ 93 F	, 1	Total
ry Bulb			0885	Ĺ	5365	95	56.2 57.7	9.1	21	ġ.				.2	16.5	9	6.8	.6			9
er Bulb			5764		4534		49.0				30			.7		7					. 9
ew Point			7.8.7.5		1781		40.7				30			5.4		-+			+		9

USAFETAC FORM 0.26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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AND DESIGNATION AND ADDRESS OF THE PARTY OF

PSYCHROMETRIC SUMMARY

726625 ELLSHORTH AFR SD. PAGE 1 5100-5300 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 + 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point (F) 74/ 73 72/_71 70/ 69 . 1 . 2 11 11 • 1 68/ 67 17 17 66/ 65 . 1 . 2 • 3 1.0 . 5 • 3 23 23 64/ 63 28 28 62/ 61 50 50 1.0 . 2 1.3 1.5 6 . 1 60/ 59 63 66 66 19 58/ 57 1.1 2.0 . 8 • 3 6 15 56/_55 58 58 54/ 53 1.9 70 70 70 1.3 1.0 1.7 1.4 . 2 18 52/ 51 100 100 40 50/ 49 109 109 79 58 3.0 3.6 1.9 1.2 99 99 115 48/ 47 66 75 46/ 45 1.7 75 1.7 2.8 1.1 122 88 44/ 43 104 50 50 73 42/ 41 1.2 1.9 . 8 44 44 89 104 40/ 39 28 28 59 80 38/ 37 17 17 44 79 • 3 . 5 . 4 .5 31 36/ 35 0 9 7.6 34/ 33 2 21 48 . 2 32/ 31 15 47 30/ 29 36 28/-27 21 26/ 25 24 24/ 23 13. 14 22/ 21 20/-195 18/ 17 3 16/ 15 3 12/ 11 TOTAL 929 929 929 929 No. Obs. Element (X) Mean No. of Hours with Temperature ≥ 67 F | → 73 F Rel. Hum. 10F 1 32 F ≥ 80 F 4 93 F 65.816.527 929 4280023 61161 Dry Bulb 2542044 48058 51.7 7.765 929 Wet Bulb 2.7 93 1998012 42640 9.29 Dow Point

OF THIS FORM

Ö, 0.26.3 50 X X Z

726625 FILSHORTH AFR SD STATION NAME

PSYCHROMETRIC SUMMARY

PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) Temp. TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point 90/ 89 •0 88/ 87 86/ 85 84/ 83 . 1 . 1 20 .0 . 1 .0 .0 20 .0 28 28 82/ 81 . 1 • 1 . 2 53 53 80/ 79 85 78/ 77 107 107 . 3 .0 .0 76/ 75 120 120 .0 74/ 73 .0 . 1 158 158 72/ 71 162 70/ 69 • 3 - 1 • 3 . 4 .7 • 5 . 5 .0 209 209 68/ 67 269 269 66/ 65 . 5 321 321 17 64/ 63 322 322 . 8 174 .8 1.0 . 6 376 376 8 6C/ 59 450 450 248 58/ 57 1.3 - 1 494 494 341 53 56/ 55 483 483 130 54/ 53 207 . 0 1.3 1.6 1.3 1.0 .6 .2 507 507 585 52/-51 575 575 675 50/ 49 586 586 667 398 48/ 47 617 617 46/ 45 446 1.8 1.3 . 3 . 1 446 832 674 44/-43 287 287 689 42/ 41 . 9 1.3 255 . 8 • 3 255 544 694 40/ 39 150 190 659 114 38/ 37 . 0 . 6 . 4 .1 .0 114 294 618 83 83 202 34/ 33 . 2 •0 • 1 38 38 139 438 32/ 31 30/ 29 • 0 . 1 9 73 294 28/ 27 40 230 26/ 25 11 186 No. Obs. Mean No. of Hours with Temperature Rel. Hum. Dry Bulb Wet Bulb Dew Point

73-82

PREVIOUS EDITIONS OF

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724425 ELLSHORTH AFR SD STATION NAME

PSYCHROMETRIC SUMMARY

MAY....

PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 + 31 D.B. W.B. Dry Bulb Wet Bulu Dew Point 22/ 21 20/ 19 105 84 18/ 17 37 16/ 15 11 14/ 13 14 1.24_11 .7 TOTAL .912.818.116.012.710.5 8.4 7.0 5.6 3.6 2.2 1.0 .Di .D 7439 7439 • 1 7433 7439 Element (X) Meen No. of Hours with Temperature Rel. Hum. # 0 F 1 32 F -67 F -73 F -80 F -93 F Total 28962728 440228 59.219.782 74.39 Dry Bulb 7-2 122-3 58-3: 14-8 23774034 55.510.850 412742 7439 17200523 47.5 7.438 7439 744. De . Paint 7A39

FORM 0.26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

METAC FORM 0.26.3 OL A

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE ŏ GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

MONTH 726625 ELLSWORTH AFR SO STATION NAME 0000-0200

																	PAGI	: 1	HOURS	0200
Temp.										DEPRI							TOTAL		TOTAL	
(F) ¹	0	1 . 2	3 - 4	5 . 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 2	- 30 → 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew For
84/ 83							i					.1					1	1	j	1
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26/ 75		 	 -	ļ	-	 		4	3		ļ	-2				+	10	10	ļ	
74/ 73			}	. 2] _	• 1	1	a.6	J	•1	-1	1	j	j			13	13	})
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58/ 57	. 1	2 0	2.2	2.6	2.3	_		<u> </u>		 	 			 .			96	96	88	31
56/ 55	• 1	1 - 0	3.4	1.7	1 . 7	.8		!						[<u> </u>	į	2.3	83	108	60
54/ 53		1.4	4.0	2.1	1.0	1		1		1	1						80	80	116	70
52/ 51		1.0	1.9		2.4	.2	i			Ĺ		ii		1	i	ļ.	64	64	112	96
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46/ 45		2.1	. 8	.9													34	34	83	89
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42/ 41		. 3	. 3	1		{	[[ĺi					6	6	23	94
HC/ 39		1	1	2	 					ļ. ——	<u> </u>			<u></u> -	ļ		44		18	62
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28/ 27			<u> </u>														·			3
OTAL	• 2	15.7	25.5	21.2	14.3	20.0	7.3	3.2	1.2	• 7	• 1	• 3	. 1	İ		Ì	398	899	899	899
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Dry Bulb			6975		-521	*1	54.0	7.6	7.7.		99				_12-9	2.9		ļ <u>.</u>		9.0
Wet Bulb		_345	9769	L	467	27	52.0	-5 84	82-		99			i		.	 .	ļ <u>-</u>		90
Dew Peint		-301	9898	<u> </u>	431	سليو	46.0	4.4	ــــا لەچ		وو			1.7		<u> </u>	1			90

PSYCHROMETRIC SUMMARY

724425 ELLSHORTH AFB SO TATION NAME 73-82 YEARS PAGE 1 0300-0500 HOURS IN STATION NO. TO STATION

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64/63	1	1	1.1	1.3	1.8	-6	7	2		Ĺ	<u> </u>	1 L	:	ı ı	L '	L	52	52	12	7
62/ 61		.6	2.3	2.1	2.0	1.6	• 2								,		79	79	14	4
60/ 59		1.4	1.3	2.2	2.5	1.3	7		L		: _				۱ <u>- </u>		86	86	45	10
58/ 57		2.2	3.8	3.0	2.3	.6	, 3	٠, ١		ĺ		1	1	1 .		}	111	111	89	38
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54/ 53	• 1	1.0	4.3	2.3	1.6	.4		6.5	ĺ		1	1	ı			·	89	89	119	43
52/ 51		1.7	2.8	2.8	- 9	ļ				ļ	, —	ļ. —	. — —				73	7.3	134	100
50/ 49		1.6	4.0	1.4	• 6	• 1			ļ		İ	1				Ì	69	69	103	84
48/ 47		1.9	3.7	8	2	1			; - <u> </u>	 -	i -			<u> </u>			60	60	85	110
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Element (X)		ZX'			Z X		<u> </u>	" *	_	No. Ob	<u>s.</u>					· · · · · · · · · · · · · · · · · · ·	th Temperor			
Rel. Hum.			1377		- 635		70.4			-	00-	: 0 f		32 F	€ 67 F	≠ 73 F	→ 80 F	- 93 F		Total
Dry Bulb			8574	<u> </u>	50A		56.1				00				6.6	1.2	4		i	90
W + Bulb Dew Point			1135		454		50.8				20						+			9.0
Dew Point		195	5811		414	سلجع	للمخظ	للإجها	لعو		00		Ļ	-2.8		<u> </u>				00

ORM 0.26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM

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ومانا المراجع المستوي المتاريخ الوالي

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PSYCHROMETRIC SUMMARY

726625 ELLSHORTH AFR SD STATION NAME

JUN

PAGE 1

0600-0800

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y Bulb			5882 0892		557 562			7.5		-	00				25 - 8	9.3	1.0			9
lement (X)		χ _{χ'}			ž _X		X	•,		No. Ob	+	= 0 F		32 F	Mean No. ≥67 F	of Hours wit	h Temperatu	*• - 93 F		Total
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0/ 69 8/ 67		.2	•2	1.3			1.8	.9	• 1	•2	<u> </u>			 			59 63	59 63	3	
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91.73		<u> </u>		1	1		6	1.0		4	1	-1		ļ	ļ <u> </u>		34	34		ļ
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8/ 87			}] [•1		1			2	2		
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Temp.		· · · · · · · · · · · · · · · · · · ·		T					ATURE					,	······································		TOTAL		TOTAL	·

FORM 0-26-3 :OL A, PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

726625 ELLSHORTH AFR SD STATION HAME JUN . 100RS (L. S. T.) PAGE 1 Temp. WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point 100/ 99 98/ 97 96/ 95 • 1 . 1 2 2 94/ 93 92/ 91 • 2 •1 • 1 90/ 89 8 88/ 87 . 3 . 2 86/ 85 1.5 84/ 83 28 82/ 81 40 40 80/ 79 . 7 1.0 1.1 . 3 . 1 60 60 65 65 76/ 75 • 1 1.9 1.1 • 3 65 65 71 71 72/ 71 73 1.8 1.0 1.9 73 70/ 69 73 73 68/ 67 .7 2.4 1.4 1.9 74 74 34 3 66/ 65 60 60 80 2.2 64/ 63 . 3 • 6 1.2 1.1 • 1 56 56 89 8 62/ 61 95 46 46 1.0 60/ 59 1.0 1.0 45 45 . 6 97 46 58/ 57 43 43 67. 122 56/ 55 . 1 1.1 . 2 25 25 100 83 54/ 53 101 62 52/ 51 . 3 .2 5 69 83 50/ 49 33 123 48/ 47 . 3 9 25 • 1 . 1 84 46/ 45 44/ 43 13 67 42/ 41 59 40/ 39 26 38/ 37 27 36/ 35 30 No. Obs. Mean No. of Hours with Temperature Rel. Hum. 2 0 F Dry Buib Wet Bulb Dew Point

16-3 OL A: PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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ISAFETAC FORM 0-26

PSYCHROMETRIC SUMMARY

726625 ELLSHORTH AFR SD STATION NAME JUN

1900-1100 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point 32/ 31 30/ 29 28/ 27 ...**.2**... 2 900 TOTAL 900 900 No. Obs. Element (X) Z X Meen No. of Hours with Temperature Rel. Hum. • 93 F = 0 F ± 32 F • 73 F + 80 F 44012 70.0 9.135 900 2461783 Dry Bulb 4490060 36.9 13.8 900 58.9 90 'Vet Bulb 3056198 52172 900 90... Dew Point 900

OBSOLETE PREVIOUS EDITIONS OF THIS FORM ARE Ö ó C SE

726625 ELLSHORTH AFB SO STATION NAME

PSYCHROMETRIC SUMMARY

JUN.

																		PAG	<u>. 1</u>	1200-	L. S. T.
Temp.			· · · · · · · · · · · · · · · · · · ·	,	,						ESSION					,		TOTAL		TOTAL	
(F)	0	1 . 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 1	6 17 - 1	8 19 - 20	21 . 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B., W.B.	Dry Bulb	Wet Bulb	Dew Pui
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94/ 93		ļ							Ļ	<u> </u>	 -	<u> </u>	2	-2	2	1			7		<u>. </u>
92/ 91								l		[.1	.8	• 2	. 2	.2	. 2	16	16		
90/ 89		ļ						 		Ц	3				-6			23	23	ļ	
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76/ 75			}		• 1	. 7	1.0	-6	1.9	2.4								76	76	1	
74/ 73		ļ			2	6	1.0	1.7	1.3	1	2	1	ļ	ļ		ļ .		53	53	9	ļ
72/ 71		1			.8	1.3	1.7	1.2	1.7	. 4	. 2	i i		1				66	66	4	1
7C/ 69				1	1	1.6	2.0	1.3				—						56	56	31	
68/ 67				• 2	1.0	2.0	1.6	.9	. 6		. 1	1						59	59	62	[
56/ 65		-1		2	6	1.0	1.8	7		المساة		↓						46	46	9.7	
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FORM 0.26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE CBSOLETE

Element (X)

Rel. Hum. Dry Bulb Wet Bulb

No. Obs.

Mean No. of Hours with Temperature

PSYCHROMETRIC SUMMARY

726625 ELLSHOPTH AFR SD STATION NAME JUN MONTH

1200-1400 HOURS (L. S. T.) PAGE 2

Temp.		·	·							DEPRE			r	·	, ,		,	TOTAL		TOTAL	T
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30/ 29				ĺ						i l		1		Į	[}	l i		ŀ	
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lement (X)		Ex ¹			t x	- 	X	- l		No. Ob	.				Mean N	o, of Ho	urs with	Temperate	l		
el. Hum.			3736		393	0.0	43.7				9	± 0 F	, ,	32 F	e 67		73 F	- 80 F	+ 93 F	· [· · · ·	Total
ry Bulb			4737			1				AS							0.6		+	+	9
er Bulb													+					3UAU		' 	
ew Paint			7592			20 .				8					_10.		1.0		 		9(
		. 221	9921		AAL	7	49.1	7.5			9			لدما		0			1		9.0

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

726625 ELLSHORTH AFB SD STATION NAME

PAGE 1

Temp.						WET	BULB '	TEMPER	ATURE	DEPR	SSION (F)						TOTAL		TOTAL	
(F) '	0	1 - 2	3 - 4	5 - 6	7 . 8								23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb		
04/103				- -				†		1							.1	1	1	1	1
02/101			ļ	Ì							1						3	1	•		İ
00/ 99				1													• 2	2	2	 	T
98/ 97															l i		. 3	3	·		
96/ 95										1				·	.4	-1	.1	6	6	1	1
94/ 93								i				. ,	. 1		. 6	_1		13	13		Ì
92/ 91												. 3	. 3	. 4	• 3	.2	. 4	+	19		†
90/ 89								l	_ 1		. 1	4	.8	. 2	.2	••	•	17	17		
88/ 87		1						•2	. 1	• 3	1.4	1.3	. 3	. 2	.7			42	42	1	1
86/ 85			i				. 2	"	. 3		2.1	9	3	4	4			51	51	Ì	İ
84/ 83						. 1	•2	. 3	1.1	1.1	1.8	.7	• 7	. 3	•2			59	59		Ī
82/ 81							.1			7	1.9	1.2	. 1	. 6	.1			63	63	[İ
80/ 79		7				• 1	.7	• 3		1.2	1.0	1.0	. 4	. 1				53	53		
78/ 77							.3	1.4	1.6	2.1	1.6	1.0	. 1					7.3	73	l]
76/ 75			• 1		. 3	• 3	1.1	1.4	. 6	1.6	.6	• 1	• 2					57	57		
74/ 73			•	1	3		2.0		1.4	7		_ 3						60	60	6	
72/ 71			• 1		• 3	1.4	1.3	•9	1.7		. 1			i				53	53	9	
70/ 69				1		- 6	2.3	1.0	- 6	-4					1			49	49	24	4
68/ 67				. 1	. 9	1.0	1.0	1.0	. 3	. 1								40	40	69	4
66/ 65		1	1				2.1	1.7	3		3							60	60	93	
64/ 63			. 6	. 9	.9	1.3	. 8	. 4	• 2						l			46	46	87	13
62/ 61				6	1.1	. 9												34	34	108	21
60/ 59		. 6	- 1	. 7	1.0	. 7	.7								l	j		33	33	118	27
58/ 57			8	3	2	8	1											20	20	207	64
56/ 55		. 1	. 7	. 6	.1	. 3	۰2											18	18	90	83
54/ 53		1	6		1	2	2											_11	11	7.2.	96
52/ 51		. 2		• Z]]									1	İ		4	4	54	87
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46/ 45				1														1	1	10	95
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42/ 41		-												li						3	54
40/ 39															}	}				<u>;</u>	34
38/ 37		لبيا				1				ليسيا		1						لـــــــــــــــــــــــــــــــــــــ			28
Element (X)		ZX'			t x		X			No. Ob	•							Temperat			
Rel. Hum.												± 0 F		32 F	<u> • 67 1</u>	-	73 F	≥ 80 F	- 93	F	Tetal
Dry Bulb																					
Wet Bulb																					
Dew Point																				1	

FORM 0.26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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PSYCHROMETRIC SUMMARY

ELL SHORTH AFR SD STATION NAME JUN PAGE 2 1500-1700 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 O.B./W.B. Dry Bulb Wet Bulb Dew Point 36/ 35 25 34/ 33 32/ 31 30/ 29 17 28/ 27 26/ 25 TOTAL 1.3 3.9 4.2 7.1 8.414.211.110.9 9.110.9 7.4 3.7 2.4 3.0 .4 1.8 900 900 900 900 Element (X) Mean No. of Hours with Temperature Rel. Hum. +67 f +73 F # 93 F 39416 66872 43-816-151 74-310-471 1960754 Dry Bulb 5067310 900 66.4 52.2 31.3 90 Wet Bulb 59.4 3.940 3212240 53502 90 440 18 48 9 7 552 90

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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0.26-3 OL

726625 FLL SHORTH AFR SD. STATION NAME

PSYCHROMETRIC SUMMARY

																		PAGI	<u></u>	1 A D D	L. 5. T.)
Temp.								TEMPER										TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 . 26	27 - 28	29 - 30	e 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Po
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94/ 93	ļ	ļ	ļ	ļ				ļ	<u> </u>						2		-1	3	3	<u> </u>	ļ
92/ 91										1		• 2			1	• 1		3	3		
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86/ 85		ļ		 			<u> </u>	1	2	4	1.3			2			ļ <u> </u>	22_	_22		ļ <u>.</u>
84/ 83						. 1	- 1	•2	.2	. 2	•7	• 2	. 6	• 1	•1			5.3	23		1
82/ 81		ļ			1	1	 	1.3	6	1.2	 	2	2	ļ			 	34	34	ļ	ļ
80/ 79					• 2	i	- 4	.7	. 8	. 4	. 8	- 8	• 1					40	40	}	!
78/ 17							1.7	1.6	1.0	7		-3			 		 	59	59	 	
76/ 75		1 1	• 1		- 1	• 7	1.6	1.4	. 9	• 7	• 6	• 2					i	56	56		
74/ 73				1	- 4	8	1.3	1.2		- 6	1	3		ļ. <u></u>			 	55	5.5	:	
72/ 71		• 1	• 5	• 2	•2	2.1		1.3	1.2	. 6					ļi			72	72	6	
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6/ 65			- 2	1.0	1.0	-1-3	1.4										 	56	56	63	
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36/ 35															1						1
34/ 33													;				<u> </u>				
2/ 31															1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						1
24/ 27				i																	
lement (X)		Zgi			t _X		X	٠,	T	No. Ob	ŧ.							iomperat	UI @		
el. Hum,											I	40+		31.5	- 6.	ř .	73 E	- 80 F	+ 93 1		Total
ry Bulb																					
et Bulb											I										
ew Point									Į —		1		7			i					

USAFETAC FORM G-26-3 :OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

726625 FLLSHORTH AFB SD STATION NAME PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 231 D.B. W.B. Dry Bulb Wet Bulb Dew Pain 26/ 25 24/ 23 1 TOTAL 3.0 8.912.114.013.713.811.3 7.6 5.4 5.0 2.3 1.3 900 . 6 • 3 900 900 Element (X) No. Obs. ž X X Mean No. of Hours with Temperature 10 F 1 32 F ≥ 67 F + 73 F . 80 F • 93 F 2845585 48553 -53.916.551 900 Dry Euth 44.5 9.549 4302545 90 61627 900 30.9 Wet Bulb 3023821 51477 900 -90 90

THIS FORM PREVIOUS EDITIONS OF

0.26-3_01 /

726625 ELLSHORTH AFR SD STATION NAME

PSYCHROMETRIC SUMMARY

JUN

Dew Paint			9457 4787				34.3 88.6	3.3 A.7			00		_	. 9		N				9
Wer Bulb			3775		555	_	61.7 54.3				00				25./	<u> </u>	1.2	 	- 	9
Rel. Hum. Dry Bulb			7002		5.74		63.9			-	90	101	•	32 F	≠ 67 F	- 73 F	* 80 #	• 93 F		[etel _
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64/ 63			.8	,			.8	.6	. 2						{	!	66	66	24	
66/ 65		i		1.3	2.1	1.4	1.6	. 9			<u> </u>	ļ					82	82	17	
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78/ 77			<u> </u>	-		 	-2		1.0		1	 -			 -		19	19		
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82/ 81						ļ		1			-1			1			4	4		<u> </u>
84/ 83							<u> </u>	T	. 1			•1					3	3		
(F)	0	1 - 2	3 - 4	5 - 6	7 . 8								23 - 24	25 - 26	27 - 28 2	9 - 30 - 31	D.B. W.B.	Dry Bulb		Dew
						WET	B 111 B	TEMPE	DATION	E DEPRI	HOIPE	/EI					TOTAL		TOTAL	
Temp.																		_		

0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SAFETAC FORM 0-26-3 O

726625 ELLSMORTH AFR SO STATION NAME

PSYCHROMETRIC SUMMARY

	,																	PAGE		HOURS	L. S. T.i
Temp. (F)	0	1 . 2	3 - 4	5 . 6	7 - 8						ESSION (100 001			TOTAL D.B. W.B.	B 8 11	TOTAL	10
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98/ 97			ļ	}			}				1]	•0	• 1	7	7	,	ĺ
96/ 95								 			 -	0		-0	-1	-0	0	12	12		
94/ 93		ļ		}			}	1	}			•0	• 1	• 1	•1	•0	• 0	25	25	ļ	
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78/ 77					• 1	• 2	. 4	•8	. 8	.8	.6	• 3	• 1		Ì			292	292]	
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70/ 69		.0	.1	. 3	.7	1.1	1.8	.9	. 5	•2	.0							408	408	94	1
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Element (X)		ZXI			ž _X		X	٠,		No. Ob					Mean No	. of Ho	ure with	Temperati	ure		
Rel. Hum.												= 0 F		32 F	+ 67 F	•	73 F	. 80 F	• 93 F		Total
Dry Bulb	······································															<u> </u>					
Wet Bulb Dew Point																!			+		
DEW POINT																					

USAFETAC FORM ARE OBSOLETE JOIN 21 0.26-3 OL A PREVIOUS FOITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

26A75	EL!	LSWO	R.T.H	AFB 5	AFION N	AME				73-	82			Y E	ARS					الم	<u>un</u>
																		PAGE	2	HOURS	LL 5, 7,1
Temp.						WET	BULB .	TEMPER	ATURI	DEPRE	SSION	F)	·					TOTAL		TOTAL	
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USAFETAC FORM 0. 26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

726625 FLLSWORTH AFR SD STATION NAME

PAGE 1 1000-0210 HOURS ... S. T.3

	emp.						WET	FBULB	TEMPE	RATUR	E DEF	RESSIO	N (F	1)						TOTAL	i	TOTAL	
	(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 1	6 17 -	18 19 .	20	21 - 22	23 - 24	4 25 - 26	27 - 28	29 - 30	- 31	D.B. W.B	Dry Bulb	Wer Buth	Dew F
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Dry B			410	5161		615	10	44-1	6.2	00		ð 70	_				43	.2	14.0	1.1	•	1	9
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PSYCHROMETRIC SUMMARY

PAGE 1

726625 ELLSHORTH AFB SD STATION NAME

0300-0500

WET BULB TEMPERATURE DEPRESSION (F) Temp. TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 31 D.B. W.B. Dry Bulb Wet Bulb Dew Pain 88/ 97 1 RA/ RS 2 82/ 81 . 2 80/ 79 78/ 77 76/ 75 74/ 73 . 5 •6 • 3 25 25 72/ 71 70/ 69 1.4 1.6 86 86 3 68/ 67 66/ 65 . 6 2.3 4.1 2.0 2.2 . 2 125 125 25 12 64/ 63 . 4 115 115 19 62/ 61 2.4 2.7 1.7 130 130 102 38 1.0 607 28 117 117 131 58 58/ 57 1.6 1.8 1.2 59 59 157 67 60 56/ 55 60 97 155 54/ 53 1.3 28 28 124 107 52/ 51 88 121 50/ 49 43 105 ..85 46/ 45 72 44/ 43 a .61 42/ 41 1 32 40/ 39 18 38/ 37 12 36/ 35 34/ 33 30/ 29 20/ 19 2 1.910.417.020.619.811.6 7.0 6.0 3.1 1.4 929 929 929 Element (X) No. Obs. Mean No. of Hours with Temperature Rel. Hum. 4309029 66-116-475 929 Dry Bulb 63-8 5-745 3809109 59247 929 28.2 93 Wet Buib 3008647 929 93 Dew Point

PREVIOUS EDITIONS OF

PSYCHROMETRIC SUMMARY

7-26-25 ELLSHORTH AFB SO STATION NAME

.0600 - 0800 HOURS (L. S. T.) PAGE 1

Temp.							BULB .										TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 2	29 - 30 .	31 D.B. W.B	Dry Bulb	Wet Bulb	Dew Por
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90/ 89			l	<u> </u>	İ		l	İ	1]				i			i	i	1	:
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84/ 83							. 1		.4	.4	. 5	.3	. 1	1			18		1	!
82/ 81			i		2	1	2	.2	1.1	.8	.5	.2	• •				31		ļ	į
8C/ 79				• 1		. 3	1		1.0	.8	• 1			1			31	31		1
78/ 77			<u> </u>	. 2			- 5	2.6	1.7	1.3	. 2			l	İL		71	71		
76/ 75		-1	• 1	. 4	. 3	1.1	1.4	1.4	.6	1.3						:	6.3		!	
741 73		2	نما		9	1.3	1.9	1.8	- 4	3	1	1		1	L l	1	71	71	6	2
72/ 71	i	.1	.3	.6	1.1	2.9	2.2	1.5	1.1	.2	. 2					i	93	95	6	3
70/ 69	1	1	6	6	2.8	2.8	2.0	1.7	. 2	. 2	.1			<u> </u>			106	106	20	•
68/ 67	. 1	. 3	1.0	1.1	1.8	2.6	1.1	1.1	.2	. 1		[87	87	35	7
66/ 65		. 9	1.4	1.4	3.8	2.2	9	3									100	100	76	zn
64/ 63	. 2	.8	1.5	2.3	2.2	1.0	. 5	.1		. 2		_	_	Ī		j	81	81	134	31
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Element (X)		Σχ²		- 1	z x	Ш,	X		<u> </u>	No. Obs). <u> </u>			·	Mean No	. of Hours	with Tempera	ture :	i	·
Rel. Hum.						\coprod						5 0 F	\Box	32 F	≥ 67 F	▶ 73	F - 80 F	≥ 93 F	·	Total
Dry Bulb																				
Wet Bulb													7					1	_ ;	
Dew Point						i							1			1				

USAFETAC FORM 0.26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

726625 ELLSHORTH AFB SD STATION NAME 100R5 (E. S. T.) PAGE 2

T⊕mp.						WET	BULB	TEMPER	ATURE	DEPRE	SSION	F)					TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 2	9 - 30 = 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Poi
TOTAL	1.2	6.1	8.9	12.0	15.3	16.2	11.5	11.6	6.9	5.8	2.5	1.1	. 4	t .				930		930
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Element (X)		Z X 2			X		<u>X</u>	€×		No. Obs							th Temperate			
Rel. Hum.		346	7881		545	5.3	58.7	16.9	BO	93		2 0 F	· :	32 F	≥ 67 F	₽ 73 F	■ 80 F	≥ 93 F		Total
Dry Bulb		454	5672		646	88	69.6	7.0	50	93			_ _		59.1	J3C . 3	L 8.2	· !	1	- 93
West Bulb			7770		557	18	59.9	4.5	24	9.3	0				-6.7	-6	i			93
Dew Point		267	معمه		495	5.8	51.1	4.14	اد،	9.3			L_	5	1.4	1		1		93

USAFETAC FORM 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

726625 ELLSWORTH AFR SD STATION NAME 73-82

PAGE 1 D900-1100 HOURS 12. 55. T.1

WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 27 - 30 | = 31 D.B. W.B. Dry Bulb Wet Bulh Dew Point 102/101 2 100/ 99 • 1 . 3 98/ 97 • 1 5 96/ 95 .8. ..2 16 16 94/ 93 . 3 . 9 . 3 17 • 3 92/ 91 32 .8 44 -4. 32 90/ 89 . 6 43 56 88/ 87 56 86/ 85 . 6 1.1 1.8 • 3 59 59 84/ 83 68 69 82/ 81 1.3 2.0 74 74 80/ 79 9.0 90 78/ 77 1.0 2 . 2 1.0 74 74 76/ 75 86 86 1.2 74/ 73 - 6 1.3 2.6 1.2 . 4 .1 72 72 16 72/ 71 64 64 3.7. _5. .1 70/ 69 .8 .6 1.5 . 4 46 46 55 11 . 6 .8 40 40 124 68/ 67 12 66/ 65 . 3 . 4 .1 . 1 26 26 164 21 3.7 64/ 63 16 153 16 62/ 61 11 11 118 42 60/ 59 10 10 103 74 58/ 57 10 10 81 118 56/--55 111 44 22 119 54/ 53 3 52/-61 120 72 50/ 49 48/ 47 60 46/ 45 48 44/ 43 28 42/ 41 24 40/ 39 11. 38/ 37 5 No. Obs. Mean No. of Hours with Temperature Rel. Hum. € 67 F × 73 F * 80 F * 93 F Total ± 0 F : 32 F Dry Bulb Wet Bulb Dew Point

C FORM 0-26-3 JOL A. PREVIOUS EDITIONS OF THIS FORM ARE OBSCIETE

PSYCHROMETRIC SUMMARY

726625 ELLSHORTH AFB SD STATION NAME 73-82 0900-1100 1 . 2 3 · 4 5 · 6 7 · 8 9 · 10 11 · 12 13 · 14 15 · 16 17 · 18 19 · 20 21 · 22 23 · 24 25 · 26 27 · 28 29 · 30 · 31 D.B. W.B. Dry Bulb Wet Bulb Dew Paint 34/ 33 32/ 31 28/ 27 26/ 25 TOTAL 4.7 6.2 8.311.214.211.8 9.5 8.5 8.2 5.4 2.9 1.8 2.0 930 930 No. Obs. Mean No. of Hours with Temperature Rel. Hum. 267 F 273 F 280 F 293 F 10F : 32 F 930 2152367 42071 45.216.377 Dry Bulb 70.0 78.4 8.784 930 93 5792523 72941 Wet Bulb 3747680 58874 930 93

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLFTE 0.26.3

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PSYCHROMETRIC SUMMARY

726625 ELL SHORTH AFR SD STATION NAME JUL 1200-1400 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 # 31 , D.B. W.B. Dry Bulb. Wet Bulb. Dew Point 108/107 106/105 104/103 1.0 9: 9 102/101 __6 100/ 99 . 6 11 98/ 97 96/ 95 . 5 1.3 1.7 1.5 . 4 52 52 54/ 93 1.0 38 38 92/ 91 65 65 90/ 89 5.7 57 88/ 87 • 3 . 8 2.4 2.2 1.4 1.1 77 77 86/ 85 81 81 84/ 83 1.7 75 82/ B1 1.9 .8 61 61 80/ 79 1.4 1.5 1.3 1.0 70 70 78/ 77 2.0 2.2 79 79 76/ 75 2.0 .9 1.0 54 74/ 73 52 52 19 72/ 71 . 1 . 2 . 1 2 1.4 • 3 36 36 53 70/ 69 15 15 82 .6 68/ 67 13 13 192 16 66/ 65 156 20 64/ 63 9 134 28 62/-61 110 60/ 59 7 7 88 63 58/ 57 53 56/ 55 94 22 109 52/ 51 113 50/ 49 -66 48/ 47 67 46/ 45 48 44/ 43 37 Element (X) No. Obs. ≥ 67 F = 73 F = 80 F Rel. Hum. # 93 F Dry Bulb Wet Bulb

10.26-3 OLA PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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PSYCHROMETRIC SUMMARY

726625 ELLSHORTH AFR SD STATION NAME MONTH

> 1200-1400 HOURS (L. S. T.) PAGE 2

Temp.										DEPRE					T	,		TOTAL		TOTAL	** ** ****
(F)	0	1 . 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 . 24	25 - 26	27 - 28	29 - 30	* 31	D.B. W.B.	Dry Bulb	Wer Bulb	Dew Po
40/ 39 38/ 37													,								1
36/ 35 32/ 31																					
30/ 29																					į
28/ 27 OTAL		1.4	1.4	2.8	3.9	3.2	7.0	9.1	11.0	11.2	8.7	9.7	A . 3	8.4	4.9	4.2	4.8	930	930	0.70	93
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lemens (X)		Σχ'			ž _X		X	•,		No. Obs				_	Mean N	o of Ho	ours with	h Temperatu	ura i		
let. Hum.					357	-	38.5			9.1		± 0 F		32 F	× 67		73 F	- 80 F	₹ 93 F		Total
bry Bulb			7525		773		38.3 83.2			- 91						+		60.4	· · · · · · · · · · · · · · · · · · ·		
Wet Bulb			1440		600		64.6			9.1					35		2.5			-	
Dew Point		- 2411 1	2021		سنده	# *	0 4 + 0	_	Z-4	¥-J	-				- 334		443				

USAFETAC FORM 0.26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

726625 ELLSHORTH AFB SD STATION NAME JUL

1500-1700 HOURS ILL S. T.) PAGE 1

Temp.											ESSION							TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	- 31	D.B. W.B	Dry Bulb	Wet Bult	Dew Po
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134/103		ļ							ļ				Ĺ	l	<u> </u>		5	5	5	l	
02/101					}]	1	1	İ			1		1	11.7	16	16	!	
00/ 99					<u> </u>	1		<u> </u>		-	ļ			<u> </u>	3	-4	. 8	14	1.4		1
98/ 97					ļ	Í			ĺ	ļ	1		. 2	- 1	• 1	. 8	1.0	20	20		1
96/ 95		1							ļ	↓	<u> </u>	1	-2	-2	1.5	1.5	-6	39	39		
94/ 93				!						1 .1	.2	. 4	1.0	1.8	2.4	.9	• 3	: 66	66	:	
92/ 91		1				ļ		ļ <u>.</u>	. 2	2	2	.2	1.1	2.2	1.3	.2	. 4	56	56		i
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86/ 85						ĺ	. 3	. 4	1.2	1.1	2.5	1.3	1.1	.9	• 2	1	!	83	83	į	
84/ 83		1					3		6	1.3	1.9	1.4		1.0	ļ	ļ		69	69	·	
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78/ 77		1 1	ļ		.2	. 4	. 2	1.7	1.9	1.3	1.0	1	[1			63	63		
76/ 75		 		1	.2	6	1.1	1.5	1.3	. 9	-2	-2	-2				ļ	59	59	4	ļ
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Rel. Hum.								<u> </u>				= 0 (32 F	167	F .	73 F	. 80 F	, 93	<u> </u>	Total
Dry Bulb								 										į			
Wet Bulb																		ļ			
Dew Point								<u></u>													

USAFETAC FORM 0.26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

726625 ELLSHORTH AFR SD STATION NAME

PAGE 2 1500-1700 HOURS (L. S. T.)

Temp.	Ĺ									E DEPRE								TOTAL		TOTAL	
(F)	0	1 . 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 . 2	23 - 24	25 - 26	27 - 28	29 - 30	×31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Po
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40/ 39													l			! 	j	i	1	!	21
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Dry Bulb			0152		7.765			9.27		9.2					19			62.5			9.1
Wet Bulb			8228		590			4.21		97										• -	
Dew Point															29.		1.8		+		9.3
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USAFETAC FORM 0.26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

726625 ELLSWORTH AFR SO STATION NAME .1800-2000 PAGE 1

Temp.										DEPRI								TOTAL		TOTAL	
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4/ 93		<u> </u>		ļ			ļ	ļ	ļ	į		<u> </u>		3	3	2	1	9.	9	Ĺ	
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H/ 77		 		- 2		1.2	5	2.8	2.2		-5	3		 				9.3	9.3		
6/ 75		İ		. 4	• 6	1.0	2.2	2.0	1.4		• 4	• 3		ł		:	į	92	92		; !
4/ 73 2/ 71						3.5		1.9		-5		ļ			ļ į .	····	‡	A 7.	. 8.7		
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8/ 67			1.3		1.2	1.4	-102	.4	• 1	.1		ļ		i				54	54 50	53	L
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I. Hum.						1						# 0 F		32 F	≠ 67 F		3 F	80 ₹	93 F		orel
y Bulb													_						1		
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USAFETAC FORM U-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

26625	EL	LSHO	RTH_	AFB ;	TATION N	AME				73-	82			Υ.	EARS						UL NTH
																		PAGE	: 2	1800 -	-2000
Tomp.						WET	BULB	TEMPER	ATUR	EDEPR	ESSION	(F)						TOTAL		TOTAL	
(F)	0	1 . 2	3 · 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	• 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Po
32/ 31	1	1.4	4.8	5.8	7.3	9.5	9.9	11.4	12.5	211.1	8.0	5.5	4.6	3.2	1.9	1.1	1.5		9.30		930
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lement (X)		Σχ'			E X		X	₹		No. Ob	•.				Mean N	o. of Ho	urs with	Temperat	ur•		
I. Hum.		229	1365		417	21	46.5	17.44			30	± 0 1	•	32 F	≥ 67	F .	73 F	≥ 80 F	▲ 93 F	1	Total
y Bulb		-559			717			1.2			30				84	4	6.9	35.6	2.		9.3
et Bulb		-366			542			4.3			30					9				_	. 93
w Peint			14.10					7.05			30			- 4	2		- 2				01

USARTAC FORM 0.26.3 OLA PREVIOUS FOLIONS OF THIS FORM ARE OBSOIRTE

PSYCHROMETRIC SUMMARY

726625 ELLSWORTH AFR SD STATION NAME JUL ...

2100-2300 ... PAGE 1

Temp.								TEMPER							·		TOTAL		TOTAL	,
(F)	0	1 - 2	3 · 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 29	30 • 31	U.B W.B.	Dry Bulb	Wet Bulb	Dew P
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90/ 89		ļ				ļ	<u> </u>				-1			2			3	3_		ļ
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86/ 85		ļ		ļ		ļ	ļ			ļ	1	1_	1	2	<u> </u>		5	5		
84/ 63							ļ	.1	• 2	. 2	. 3		. 4	- 1			13	13		İ
82/ 81		ļ		ļ		ļ	ļ	2	4	6	.4	-2			ļ		18	18		ļ .
80/ 79		1	[-	.1	.2	- 3	.4	. 4	.6	.6	. 2	. 2		1		30	30	ĺ	i
78/ 77				1	. 3	-3		1.7	1.0	-6	1.0	2	1		L		55	55	l	ļ
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74/ 73		1	1	3	1.1	1.3	1.9		1.5		-3						93	93	3	
72/ 71		. 2	. 3	1.3	1.5	1.8	2.5		• 6	• 1	• 2	ĺĺ	ĺ				99	99	7	1
70/ 69		-3	1.2	1.9	-	2.2	2.0		5	-4		ļļ			 		113	113	19	ļ
68/ 67		• 5	1.4	,			.3	1.4	. 4	{			}				116	116	28	1
66/ 65		3	9		3.0		1.3	2	1			├			 - -		91	91	73	1
64/ 63		.9	1.7	2.5	1.5	1.0	1.1	•1	- 1]	ĺ				82	82	117	3
62/ 61	3	6	5	1.6			2	-1	1						i		44	44	151	4
60/ 59	- 1	.4	1.4	1.8	1.2	- 1	• 1	1					ļ				48	48	167	7
58/ 57	1	3	3	-5				 									16	16	155	
56/ 55		.9	•2	• 3			1	i i									13	13	90	9
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)TAL	5	4.9	8.3	14.4	16.0	73-0	12-2	12.5	7.5	4.4	3.5	1.0	9	6	2		}i	930		9.3
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ement (X)		Σχ'			z X		X	√ _X		No. Ob	.]				Mean Ne.	of Hours with	Temperati)re		-
I. Hum.		334	5490		534	52	57.5	17.15	9	9	30	± 0 F		32 F	€ 67 F	→ 73 F	- 80 F	. 93 F	7	Total
y Bulb			1436		-647			6.49			30				43.4	30.6	5.7			
et Bulb			279		555			4.44			30				5.7					9
ew Point			9 157		ABC			6.70		-	30		· T		2.1			1		9

USAFETAC FORM 0.26.3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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726625 ELLSHORTH AFR SO.

PSYCHROMETRIC SUMMARY

PAGE 1 HOURS IL. S. T. WET BULB TEMPERATURE DEPRESSION (F) Temp. TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 a 31 D.B. W.B. Dry Bulb Wer Bulb Dew Poin 112/111 .0 108/107 106/105 . 1 10 10 104/103 14 14. 102/101 26 26 100/ 99 .3. 36 36 98/ 97 . 1 • 3 • 3 52 52 96/ 95 94/ 93 . 5 . 5 131 .0 .0 . 1 . 2 .3 . 1 131 92/ 91 184 1 44 90/ 89 .0 . 2 198 198 88/ 87 263 263 86/ 85 .6 .5 . 1 .0 1.0 298 298 84/ B3 299 299 82/ 81 . 2 1.1 . 2 343 343 80/ 79 395 395 78/ 77 76/ 75 . 3 .0 . 1 . 5 . 4 1.7 1.3 . 1 • 1 462 462 ۰.0 495 495 15 74/ 73 1.5 1.6 500 500 6 . 1 66 721.71 517 191 13 517 70/ 69 1.3 . 1 . 5 1.0 1.6 • 4 • 0 553 553 320 47 68/ 67 516 624 66/ 65 . 0 . 8 1.1 2.1 . 2 . 1 .0 494 494 . 5 846 143 64/ 63 454 454 1043 238 •0 62/ 61 1.6 . 1 371 371 979 372 60/ 59 326 326 1009 497 58/ 57 . 1 . 3 .0 186 186 .1 916 696 56/ 55 121 863 54/ 53 55 405 930 • 2 . 1 • 0 .0 55 52/ 51 18 244 951 50/ 49 83 717 48/ 47 35 581 46/ 45 452 13 Mean No. of Hours with Temperature ± 0 F 5 32 F Dry Bulb Wet Bulb

ORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM

726625 ELLSHORTH AFR SD STATION NAME

PSYCHROMETRIC SUMMARY

MONTH

PAGE 2 HOURS IL. S. T. WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 . 2 3 . 4 5 . 6 7 . 8 9 - 10 11 - 12 13 . 14 15 . 16 17 . 18 19 . 20 21 . 22 23 . 24 25 . 26 27 . 28 29 . 30 . 8 31 D.B. W.B. Dry Bulb Wer Bulb Dew Point 42/ 41 196 40/ 39 134 38/ 37 83 16/ 35 52 34/ 33 18 32/ 31 15 30/ 29 4 28/ 27 26/ 25 3 24/ 23 .2 20/ 19 2 TOTAL 7438 7438 7438 7438 Element (X) No. Obs. Mean No. of Hours with Temperature Rel. Hum. ± 32 F 10F ≥ 67 F | ≥ 73 F | ≥ 80 F 22685851 41496820 # 93 F Total 383717 7438 Dry Bulb 549974 73.910.571 61.2 5.281 7438 382-8 217-9 744 541.4 Wet Bulb 28042931 455017 7438 744

73-82

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE FORM JUN 71

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669.052

0-26-3 OLA

726625 ELLSHORTH AFR SD STATION NAME

PSYCHROMETRIC SUMMARY

MONTH

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PAGE 1 0000-0200 HOURS IL 5. V.I WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 31 D.B. W.E. Dry Bulb Wet Bulb Dew Point (F) 84/ 83 . 1 82/ 81 4 80/ 79 • 2 78/ 77 9 .2 76/ 75 . 3 21 21 74/ 73 . 9 32 32 72/ 71 . 9 1.7 . 5 . 5 44 44 70/ 69 77 77 • 3

1.0 1.5 1.6 1.7 68/ 67 66/ 65 96 96 12 64/ 63 3.1 2.5 140 140 34 17 1.1 3.2 3.2 1.1 106 106 62/ 61 87 29. 60/ 59 1.4 1.6 3.3 2.5 1.7 1.1 111 111 118 40 58/ 57 89 89 111 159 56/ 55 2.8 66 66 66 1.7 54/ 53 30 34 142 78 52/ 51 15 15 87 • 6 17 70 148 50/ 49 48/ 47 51 101 . 1 46/ 45 93 12 76 44/ 43 42/ 41 40/ 39 36 38/ 37 19 36/ 35 34/ 33

Element (X) No. Obs. Mean No. of Hours with Temperature Rel. Hum. = 0 F : 32 F ≥ 67 F ■ 73 F 3880233 58097 62-616-194 928 Dry Bulb 63-0 6-203 25.1 93 3716130 58442 928 Wet Bulb 55.3 5.011 93 2858155 51291 928 93

6.914.521.717.014.311.0 6.9 3.1 2.4

1 ARE OBSOLETE PREVIOUS EDITIONS OF THIS FORM 10 V 0-26-3

32/ 31

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TOTAL

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PSYCHROMETRIC SUMMARY

7.26625 ELLSHORTH AFR SD STATION NAME

0300-0500 HOURS IL. S. T.) PAGE 1

Temp.						WET	BULB	TEMPER	RATURE	DEPRI	SSION	F)						TOTAL		TOTAL	
(F)	0	1 . 2	3 · 4	5 . 6	7 - 8								23 - 24	25 - 26	27 - 28	29 - 30	+ 31		Dry Bulb		Dew P
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72/ 71				• 2	• 3	• 5	• 2	.4	1	l .							İ	22			
70/ 69				3		1.2	9	1.5	-4	- 6	ļ	 					├	52	52	 	
68/ 67		• 5	• 5	1.3	1.2			.9					l	ļ			,	63		3	
66/ 65			1.2	5	1.5		1.9	3	2		 -	 					}	71	71	7	ļ
64/ 63	• 6	1.1	2.8	6	2.5	1			ł		}	:					ļ	126	126	24	
62/ 61	2	1.4	1.3	2.6	3.4	2.3	1.5	1	ļ	ļ		-					 	119	119	67	
60/ 59	• 2	2.6	1.9		3.2	1.0	. 4	•2				! }	1					134	134	82	
58/ 57	2	1.6	3.0	2.8	1-3	1.2	-3				-	 				~		97	97	113	7
56/ 55	ľ	1.3	2.2		1.6	. 4	.2							ł				78	78	136	6
54/ 53		6	1.0	3.0	6	6				 		 					<u> </u>	5.5	55	157	7
52/ 51		. 5	2.3	1.5	•6	. 4	ŀ				1	1	1					50	50	123	8
50/ 49	3	2	1.3	6	6	-2			<u> </u>	ļ		ļ					 		31_	81	10
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el. Hum.		429	265		614	10	66.1	15.0	16		30	2 0 F	4	32 F	≥ 67 l	F .	73 F	≥ 80 F	e 93 F	F	Toral
ry Bulb		345		·····	564	-,	60.7				30		1		15.	7	2.0	1	1		9
Vet Bulb		273			502		5A.O				30					2			1		9
Dew Peint						+-	باوجج	ىلىپ ج		X						~		+			

USAFETAC JUST 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

726625 ELLSHORTH AFB SD STATION NAME

PSYCHROMETRIC SUMMARY

MONTH

0600-0800 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) Temp. 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B. W.B. Dry Bulb Wet Bulb Dew Poin 92/ 91 . 1 90/ 89 88/ 87 1 86/ 85 6 6 84/ 83 • 1 • Z 4 82/ B1 80/ 79 .1 .6 .5 12 12 78/ 77 25 76/ 75 . 3 32 32 74/ 73 58 58 1.3 72/ 71 1.9 1.0 1.4 • 1 66 66 70/ 69 93 93 68/ 67 . 2 1.7 3.0 1.5 1.9 1.0 . 2 101 11 5 101 66/ 65 94 94 25 64/ 63 1.2 1.4 2.8 2.8 2.6 1.1 150 120 65 18 62/ 61 26 92 92 116 60/ 59 1.1 1.0 1.9 2.3 1.0 70 70 50 •1 152 58/ 57 1.0 1.6 57 57 139 56/ 55 . 4 . 9 1.4 . 5 . 1 . 1 32 32 128 78 54/ 53 30 30 99 **79**. 52/ 51 . 2 15 15 83 91 . 1 50/ 49 10 10 51 123 48/ 47 34 3 108 46/_45 92 44/ 43 12 66 42/ 41 43 40/ 39 28 38/ 37 18 36/ 35 13 34/ 33 32/ 31 30/ 29 8 TOTAL 6.911.015.818.415.512.2 7.7 4.9 930 930 . 2 930 Element (X) No. Obs. Mean No. of Hours with Temperature Rel. Hum. 10 F ± 32 F ≥ 67 F ≠ 73 F ≥ 80 F 3602632 55718 59.916.872 930 Total Dry Bulb A033971 60895 65.5 7.087 930 40.6 14.6 9.3 Wet Bulb 56.7 5.008 3015074 5274R 930. 93 Dew Point 93

71-A2

FORM 0-26-3 OL A: PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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USAFETAC FORM 0-26-3 :OL A: PREVIOUS

726625 ELLSWORTH AFR SD STATION NAME

PSYCHROMETRIC SUMMARY

AUG .

0900-1100 HOURS IL, S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 . 2 | 3 . 4 | 5 . 6 | 7 . 8 | 9 . 10 | 11 . 12 | 13 . 14 | 15 . 16 | 17 . 18 | 19 . 20 | 21 . 22 | 23 . 24 | 25 . 26 | 27 . 28 | 29 . 30 | • 31 D.B. W.B. Dry Bulb Wet Bulb Dew Poin 102/101 100/ 99 98/ 97 1 1 • 1 96/ 95 94/ 93 . 2 • 5 •2 • 5 15 15 92/ 91 15 90/ 89 . 1 . 8 • 4 . 4 20 20 BB/ B7 86/ 85 . 3 1.1 1.0 45 45 • 6 84/ 83 44 82/ 81 1.0 61 61 1.3 . 2 BO/ 79 ام 86 86 78/ 77 • 3 1.2 . 3 1.7 2.3 1.7 . 4 • 1 80 80 76/ 75 95 95 74/ 73 1.8 2.3 1.2 80 80 72/ 71 73 73 70/ 69 1.7 1.5 81 30 1.4 1.5 . 2 5 81 68/ 67 •0 49 11 66/ 65 . 8 1.5 1.2 1.1 53 53 91 64/ 63 33 142 62/ 61 . 3 20 20 176 24 60/ 59 130 14 14 58 58/ 57 13 13 80 68 56/ 55 54/ 53 . 3 46 52/ 51 35 84 50/ 49 108 48/ 47 73 46/ 45 3 77 44/ 43 55 42/ 41 53 40/ 39 40 38/ 37 23 Element (X) No. Obs. Mean No. of Hours with Temperature Rel. Hum. 50 F ± 32 F ≥ 73 F Total Dry Bulb Wet Bulb Dew Point

PREVIOUS EDITIONS OF 0-26-3

ŧ. GLOBAL CLIMATOLOGY BRANCH USAFETAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC 726625 ELLSWORTH AFR SD STATION NAME MONTH 1900-1100 HOURS IL. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F)

TOTAL

TOTAL

O 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 3 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B. W.B. Dry Bulb Wet Bulb Dew Poin Temp. 34/ 33 32/ 31 669-052 30/ 29 1 28/ 27 TOTAL 1.7 2.2 4.3 9.6 12.2 1.4 4.6 1.7 8.6 6.9 5.8 4.3 2.9 1.6 1.0 1.3 930 930 930 930 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE 0.26-3 (01 FORM JUN 21 No. Obs. Element (X) Mean No. of Hours with Temperature 267 F 273 F 280 F ₽ 93 F Rel. Hum. # 0 F ≤ 32 F 2178470 Dry Bulb 5312148 75.1 8.668 930 77.9 57.6 28.0 Wet Bulb 3459439 60.8 5.146 930 93 56519 Dew Point

GLOBAL CLIMATOLOGY BRANCH PSYCHROMETRIC SUMMARY USAFETAC AIR WEATHER SERVICE/MAC 726625 ELLSHORTH AFR SD STATION NAME 73-82 AUG PAGE 1 1200-1400 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL **{**} (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 + 31 D.B. > .B. Dry Bulb Wer Bulb Dew Point 108/107 . 2 106/105 669.052 102/101 . 3 3 3 100/ 99 1.3 98/ 97 .3 1.4 16 16 96/ 95 23 94/ 93 . 1 • 2 . 9 • 3 22 ٠Z .6 22 92/ 91 47 4.7 90/ 89 35 35 88/ 87 4 56 56 86/ 85 2.0 84 1.9 1.4 84 . 2 • 1 84/ 83 11 77 2.7 .6 1.0 • 2 73 82/ 81 1.0 1.1 73 . 8 . 3 1.7 804 79 1.0 92 92 • 2 78/ 77 1.0 75 • 1 1.0 68 767. 75 68 74/ 73 1.4 1.0 1.1 1.3 • 1 59 59 72/ 71 30 . 5 . 4 2 70/ 69 1.1 1.0 46 46 50 • 3 . 6 . 8 ö 68/ 67 31 31 88 PREVIOUS EDITIONS • 3 66/ 65 .4 124 16 161 64/ 63 16 24 62/ 61 . 4 9 9 169 30 60/ 59 58/ 57 . 3 7 7 77 67 • 1 56/ 55 49 77 54/ 53 . 3 27 68 . 1 52/ 51 80 23 ಠ 50/ 49 10 98 108 48/ 47 46/ 45 77 44/ 43 55. 42/ 41 63 407 39 Element (X) X Mean No. of Hours with Temperature Rel. Hum. 107 ×67 F × 73 F × 80 F × 93 F Dry Bulb Wet Bulb Dew Point

726625 ELLSHORTH AFB SD STATION HAME

PSYCHROMETRIC SUMMARY

1200-1400 HOURS (C. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 0 1-2 3-4 5-6 7-8 9-10 11 12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 = 31 O.B. W.B. Dry Bulb Wet Bulb Dew Point 38/ 37 36/ 35 34/ 33 5 32/ 31 30/ 29 2 281 27 26/ 25 TOTAL 930 930 930 930

Element (X) No. Obs. Mean No. of Hours with Temperature Rel. Hum. ≥ 67 F = 73 F = 80 F = 93 F : 0 F 5 32 F 38.015.199 80.2 9.197 1555933 35319 930 Dry Bulb 930 74.6 50.2 6059420 74580 86.7 93

930

930

ARE OBSOLETE THIS FORM ö EDITIONS PREVIOUS ಠ 0-26-3 FORM JUN 71

Wet Bulb

Dew Point

3623613

2394735

57473

46457

17.4

PSYCHROMETRIC SUMMARY

726625 ELLSHORTH AFR SD STATION NAME AUG

1500-1700 HOURS (C. S. T.) PAGE 1

Temp.							BULB											TOTAL		TOTAL	
(F)	0	1 - 2	3 · 4	5 · 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 . 20	21 - 22	23 . 24	25 - 26	27 - 28	29 - 30	• 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Poi
08/107																	.1		1	İ	:
04/103									ļ		ļ	Ļ		ļ	ļ		2	2	2.		
102/101									1		i	ŀ				İ	• 6	1	6		
100/ 99		 				ļ	 	 -	 -	 		ļ		 	ļ	2	1 -	12	12		
98/ 97		1 1													l _	• 6			18	i	1
96/ 95							 			 -	ł		<u> </u>	 -	2	5	1.2		19	 	ļ
94/ 93						1					_	_	• 2	.6		• 3	1.1		32	1	
92/ 91		 							 		- 3	1.5			1.6	1.1		45	45	ļ	
90/ 89 88/ 87										-1	. 4	1.0	1.2	1.3	.9	.2	- 1	46	46	İ	1
86/ 85		 		-			-		. 5	.4	2.0	1.9					 	77	77	 	
84/ 83						.,	•1	•2 •8	. 8	1.1	2.3	2.3	1.0		i			8.3	83		}
82/ 81						. 4	. 5	•5		.5	2.4	1.6	.5	.6			i — –	76	76		
80/ 79		L			3	2	. 5	9		1.3	1.6				L	<u> </u>	<u></u>	58	58		
78/ 77					. 1	. 9		1.3		1.6	2.3	.6	• 1	. 2				80	80		
76/ 75			2		2	1.1	1.6	. 9	1.8	1.1	- 3			1				68	68		<u> </u>
74/ 73			. 1	• 2	. 8	.6	1.5	•6	1.5	1.0	.2	.2		į	1	ĺ	ļ	63	63	5	
72/ 71				3	-1	5	1.5	3	1.1	-1				ļ. <u>.</u>	↓	ļ	ļ	42	42	29	1
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66/ 65			• 2	• 5	. 8	- 4	• 3	• 4			İ						1	25	25	139	17
64/ 63		2		- 3	1		•2	1	<u> </u>						ļ			17	17	175	20
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60/ 59			1	2		3										ļ	 	5	5	126 73	3.7 56
58/ 57		1	• 1	• 1	• 2	• 1					l			İ)]	, s 50	81
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46/ 45																	[1	110
44/ 43														L				<u> </u>			5.9
42/ 41																					62
40/ 39		لبل									L,			l		<u> </u>					44
Element (X)		ΣX1			t x		<u>x</u>	" *		No. Ob	4.				,			h Tempera			
Rel. Hum.												± 0 l	- - 1	32 F	≥ 67	F	73 F	→ 80 F	. 93 1		Total
Dry Bulb Wet Bulb																		 	+		
Dew Point									-+-												
PEW FOINT			1								1							<u> </u>			

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

726625 ELLSWORTH AFR SD STATION NAME

PSYCHROMETRIC SUMMARY

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PAGE 2 1500-1700 -- HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 2 31 D.B., W.B. Dry Bulb Wet Bulb Dew Point Temp. (F) 38/ 37 21 36/ 35 18 34/ 33 32/ 31 9 6 30/ 29 28/ 27 26/ 25 1 2-0 3-3 6-3 9-8 7-7 9-2 8-213-710-7 6-6 6-5 4-8 3-0 6-0 TOTAL 928 928 928 Element (X) Mean No. of Hours with Temperature Rel. Hum. -67 F = 73 F = 80 F 10 F ± 32 F • 93 F 1512285 34409 37-115-971 928 Dry Bulb 74788 A6.0 75.5 6106952 A0.6 9.275 928 51.5 93

928

928

73-82

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

٥٢ ا 0-26-3 FORM JUN 71

Wet Bulb

Dew Point

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62-1 8-699

PSYCHROMETRIC SUMMARY

STATION	_ EL	LSHO	KIH.	AF B S	TATION N	IAME				7.3-	<u> HZ</u>			YE	ARS					Mo	UG
																		PAGE	1	1800	200
Temp.				,					RATURE									TOTAL.		TOTAL	
(F)	00	1 - 2	3 - 4	5 . 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	a 31	D.B. W.B. D	ry Bulb	Wet Bulb	Dew P
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94/ 93]									• 1		• 2	• 3	.1	7	7		İ
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88/ 87										1	5	. 9	8	. 3	. 3	1		28	28		
86/ 85							ĺ	•1	- 1	• 1	.4	1.0	1.1	1.1	- 1	_		37	37		
84/83				ļ.——	-			-1	- 4		1.2	1.0		- 3				42	42		
82/ 81 80/ 79				t I		-		1.2	1.2	1.0	2.3	1.0	• 4	. 2	ļ	!		51	51		
78/ 77					.5	.6	•2	1.2	1.9	2.8	1.3	.6	• 2					79	_ <u>79</u> 88		
26/ 75			1	2		5	1.5	A	1.6	1.0						!		67	67		į
74/ 73				• 2	1.5	1.9	1.1	1.5	2.6	1.1	• 1							93	93		
12/ 71			5	6	8	1.4	-8	2.5	. 9	1	- 2	ļ						7.2	72		
10/ 69		• 2	- 1	. 9	1.3	1.4	1.2	2.3	1.1	. 8	•2]	}			87	87	15	
6/ 67		2			1.9	1.2	1.5	lel.	3	3				 -				7.2		47	
4/ 63			. 4	1.0	1.2	1.3	1.2	.4	• 1	• 1								50 51	50 51	83 122	
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2/ 31		? !									<u> </u>										
el. Hum.		Z X '			E X		<u> </u>	•		Ne. Ob	•		T-:					Temperature		1	
ry Bulb											+	10 P	+ -	32 F	- 67 1		73 #	• 80 F	+ 93 F		[etel
et Bulb						\dashv			+				-								
ew Point																					

C FORM 0.26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLE

PSYCHROMETRIC SUMMARY

7266.25 ELLSHORTH AFB SD STATION NAME

PAGE 2 1800-2000 HOURS IL. S. T.I

Temp.										DEPRE								TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 6	7 . 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	× 31	D.B. W.B.	ry Bulb	Wet Bulb	Dew Po
36/ 29 28/ 27																					
OTAL		1.6	3.4	5.9	11.1	11.4	9.3	12.2	11.3	9.9	8.7	6.4	3.8	2.5	1.0	1.3	• 3	929	929	929	929
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Rel. Hum.		223	1679		427	21	46+3	17.04	.		9	• 0 1		32 F	≥ 67	F .	73 F	• 80 F	4 93 F	1	otal
Dry Bulb		509	7411			89	73-6	1.2	33 _	9.					74		51.5	22.9		9	9.
Wet Bulb Dew Point			3133				;	4.9							7.,	.0					9:
JEW Point		234	244		464	سلمج	19.7	7.61	361	92				1.5		<u> </u>			<u> </u>		

USAFETAC FORM 0 26.3 OL A PREVIOUS FORMOS OF THIS SORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

726625 ELLSHORTH AFR SD STATION NAME AUG. 2100-2300 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) Temp. TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 1: - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 31 D.B. W.B. Dry Bulb Wet Bulb Dew Poin 88/ 87 84/ 83 82/ 81 • 2 • 1 • 3 10 10 80/ 79 19 78/ 77 . 8 . 2 31 .8 . 8 .6 31 . 1 76/ 75 1.11 43 43 74/ 73 1.0 1.2 1.6 1.5 • 3 1.1 67 68 72/ 71 1.9 69 69 70/ 69 1.1 1.2 1.8 2.7 2.6 1.0 • 3 103 103 68/ 67 2 - 0 95 95 66/ 65 1.6 1.9 2.0 3.7 1.8 •6 . 8 124 124 38 12 64/ 63 1.6 94 94 57 18 62/ 61 1.3 1.0 1.8 2.4 1.3 •5 . 3 87 87 111 34 60/ 59 2.0 77 77 121 46 58/ 57 . 2 . 5 1.4 1.3 • 5 -1 39 39 153 . 1 45 56/ 55 154 54/ 53 • 5 • 3 18 18 99 75 - 1 52/_51 9 9 RΩ 77 50/ 49 • 3 • 1 . 1 6 6 48 105 48/ 47 30 107 46/ 45 13 99 44/ 43 77 42/ 41 3 54 40/ 39 29 38/ 37 21 36/ 35 17 34/ 33 11 32/ 31 14. 30/ 29 TOTAL 928 928 928 Element (X) **7** A No. Obs. Mean No. of Hours with Temperature Ret. Hum. e 67 F ≠ 73 F • 80 F • 93 F 3265202 52776 Dry Bulb 4122675 61581 66.3 6.617 929 -17.3 93. Wet Bulb 3010535 52655 56.7 4.967 924 93 Dew Foint

RM 0-26-3 OL A PREVIOUS EDITIONS OF THIS FO

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USAFETAC FORM

726628 ELLSMORTH AFR SO

PSYCHROMETRIC SUMMARY

MONTH

									·									AGE		HOURS	i, 5, 1,)
Temp.			·							DEPRE				T			TOT			TOTAL	1
(F)		1 - 2	3 · 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 . 76	27 - 28 2		31 D.B.	7.5.	_	Wet Bulb	Dew Po
08/107																	•0	3	3	ĺ	
06/105												 				 	•0	-			
04/103								l	}	(1 1					•0	10	2 10	ĺ	
00/ 99									 	†		ļ				.1		28	28		
98/ 97								! []	1					1	•		35	35	ĺ	
96/ 95												•0		. 1	.1			49	49		i
94/ 93												.0	. 1		3	.2		76	76	ĺ	ļ
92/ 91										.0	. 1	.1	• 2	. 3	.4			13	113	1	
90 / 89											. 2	3	3		. 3	.1		18	118		İ.,
80/ 87									•0		. 4	.5	. 5	. 5	• 2	.1	1	78	178		1
86/ 85							1	1	-1	2	.,7	7		5	0_			49	249		İ
34/ 33	-					. 1	. 1	•2	. 3	. 5	.7	. 8	. 4	. 2	.0		2	52	252	İ	
82/ 81						1	2	3	5	5	1.1	6	2	2			2	78	278		ļ
80/ 79	į		·	• 0	.1	• 2	. 4	.5	.8	1.1	1.0	.4	• 1	.0			3	51	351	Į.	
78/ 77				0	1	- 4	3	-8	1.1	1.3	8	-3	1	-0				91	391		L
76/ 75		. 0	- 1	.0	• 3	. 6	• 8	1.1	1.2	. 9	. 4	- 1	• 0	•0				02	402	2	ĺ
74/ 73			.0	1	6	8	1.1	1.4	Lal	8	1	-1						60	461	18	<u> </u>
72/ 71		• 0		• 3	•6	1.2	1.0	1.1	1.0	. 3	• 1	•0				-	1	32	432	80	
70/ 69		1	2	8	9	1.2	100	1.6		-4	1	i						64	564	132	
8/ 67	• 0	• 3	• 5	• 9	1.3	1.1	1.3	1.0	• 3	•1				1	j		1 -	09	509	317	
6/ 65		3	-1-0	9			1.2		2									31	531	526	
64/ 63	• 2	• 6	1.3	1.6	1.7	1.5	• 7	.4	•1	•0				Ì	ļ	İ	, -	97 78	597 478	780 1016	1 2
2/.61	0	- 8	8				6	2							- i-				438		
8/ 57	• 0	. 8 5	. 8	1.6	1.4	- 8	• 3	•1									1	38 21	321	1005	30
				1.3	7	6		•∪										30	230	849	6
6/ 55		- 4	• 6	1.1	.7	• 2	• 1								-	Ì	, –	30 52	152	654	6
52/ 51		. 2	.5	. 4	.2	. 1												97	97	492	6.
0/ 49	,	• 2	-3		.2	• •								ļ	i	i		66	66	304	8
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4/ 43			.0															2	2	53	5
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el. Hum.												± 0 F		32 F	≥ 67 F	≥ 73	F > 8	OF	• 93 F		Total
ry Bulb	·-··					_										<u> </u>					
et Bulb																_			 _		
ew Point			1			1	!		1		!		1	1		1			1	1	

FORM 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Maca Corrage

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USAFETAC FORM 0-26-3 :OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

726625 ELLSHORTH AFR SD STATION NAME

PSYCHROMETRIC SUMMARY

AUG MONTH

																		PAGE		HOURS	L. S. T.
Temp,						WET	BULB	TEMPERA	TURE	DEPRE	SSION	(F)			_			TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 · 6	7 . 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Pe
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38/ 37				<u> </u>																	21
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I. Hum.		24 5 2 4	34.00		3828	0.7		19.40	•	74		2 O F		32 F	≥ 67		73 F	- 80 F	€ 93 F	.	Total
y Bulb		64) 44 3790						10.62		74					450.			157.5			74
et Bulb		2563			9244 4344			5.78		74					55.		2.0			-	74
ew Point		1875)			3692			7.3A		743				9.1	55.		KAUL		+		744

726625 FLISHORTH AFR SD STATION NAME

PSYCHROMETRIC SUMMARY

SEP

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PAGE 1 0000-0200 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. D.B. W.B. Dry Bulb Wet Bulb Dew Point (5) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | • 31 78/ 77 • 1 76/ 75 74/ 73 17 17 . 9 • 1 72/ 71 11 70/ 69 16 . 8 • 1 .1 16 68/ 67 37 38 38 65/ 65 . 8 .8 64/ 63 33 39 62/ 61 1.0 44 44 15 1.0 1.1 • 2 • 2 60/ 59 72 12 .9 58/ 57 . 9 . 9 1.1 1.3 1.4 1.1 1.2 73 73 49 6 • 1 56/ 55 81 81 2.1 2.9 64 13 54/ 53 2.2 1.9 102 102 21 52/ 51 2.8 86 86 74 41 . 4 2.4 1.4 1.4 50/ 49 . 8 2.2 2.6 2.0 . 9 76 76 87 32 48/ 47 1.6 57 57 99 77 35 117 46/ 45 1.2 1.1 • 3 35 70 44/ 43 1.6 1.3 42 42 88 . 6 26 75 42/ 41 • 6 1.3 26 83 40/ 39 24 69 9 9 99 38/ 37 . 2 34 36/ 35 26 92 34/ 33 11 47 . 2 3 32/-31 30/ 29 42 1 28/ 27 39 26/ 25 22 12 24/ 23 22/ 21 5 20/ 19 16/ 15 2

PREVIOUS EDITIONS OF Ö, €. ó

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14/ 13

TOTAL Element (X)

Dry Bulb

Wet Bulb

Daw Point

No. Obs.

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6.816.621.218.613.411.2 6.3 2.9

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3343218

2742409

2026677

4 0 F

1 32 F

19.4

900

Mean No. of Hours with Temperature ± 67 F ≈ 73 F → 80 F → 93 F

PSYCHROMETRIC SUMMARY

726625 ELLSHORTH AFB SO STATION NAME 0300-0500 HOURS (L. S. T.) PAGE 1

Temp.			·		·			TEMPER										TOTAL	L	TOTAL	
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74/ 73		<u> </u>	L	L	1	1	<u> </u>		l	1	<u> </u>							1	1		
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70/ 69			L	<u>i</u>	<u> </u>		. 2	.1	. 0	3						į		14	14		ļ
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62/ 61			3	- 6	1.1	1.0		. 7		<u> </u>	<u> </u>			1				41	41	A	Ĺ
60/ 59	. 2	. 1	.6	1.1	2.4	1.2	1.8	.3	. 2	İ								72	72	14	
58/ 57		2	1.4	1.1	1.4	2.2	-6	-2	1	<u> </u>								66	66	20	
56/ 55	. 2	.9	1.1	1.7	1.9	1.9	1.6	-1							ĺ			84	84	48	1
54/ 53		6	2.9	2.1	2.1	1.7	-7			<u> </u>	<u> </u>							95	95	57	1
52/ 51		. 2	1.1	1.9	1.7	1.3	1.0	•2		ĺ	ļ			í	f			67	67	79	2
50/ 49		1.0	2.7	2.2	1.0	1.1	3											75	75	89	3
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46/ 45	···	7	1.7	2.0		.2					<u> </u>							61	61	101	A
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OTAL	. 7	8.3	22.2	22.7	17.6	72.0	8.4	3 • 1	2.2	1.1	. 4	•2					} [900	900	950	900
lement (X)		Σχ,			Σχ		X	₹		No. Ob	s				Mean No	of Hou	rs with	Temperat	ure		-
tel. Hum.		764	6847		554	03	61.46	16.2	13	0	00	= 0 F	1 3	12 F	≥ 67 F	2 7	/3 F	≥ 80 F	• 93 F	1	Total
ory Bulb			6509		473	,		Aal			00		7	. 3	10		- 6		1		91
Yet Bulb			7321		412			6.5			aa			1.3							91
Dew Point			1168		748		JA.A				na			3					-		90

USAFETAC FORM 71 0-26-3 (OL A: PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

726625 ELLSHORTH AFB SD STATION NAME

PSYCHROMETRIC SUMMARY

SEP

DAGO - DAGO PAGE 1 WET BULB TEMPERATURE DEPRESSION (F)

1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 23 D.B. W.B. Dry Bulb Wet Bulb Dew Point 86/ 85 80/ 79 78/ 77 . 3 . 3 6 6 76/ 75 19 19 . 1 74/ 73 72/ 71 - 1 18 70/ 69 39 39 68/ 67 . 8 1.0 40 40 66/ 65 3 19 34 54 55 64/ 63 54 1.1 55 62/ 61 60/ 59 68 68 39 70 7.3 73 58/ 57 2.0 56/ 55 1.1 67 67 54/ 53 67 52/ 51 50/ 49 35 37 94 61 61 59 59 100 48/ 47 2.4 70 70 102 80 74 46/ 45 51 114 44/ 43 28 28 66 64 40/ 39 22 22 56 76 1.1 10 88 75 38/ 37 10 36 36/ 35 18 34/ 33 60 32/ 31 75 39 28/ 27 26/ 25 28 16. 24/ 23 20/ 19 Rel. Hum. 2 0 F : 32 F ⇒ 93 F Dry Bulb Wet Bulb Dew Point

FORM 0-26-3 OL A. PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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SAFETAC FORM 0.32.3 OF

GLOBAL CLIMATOLOGY BRANCH USAFETAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC 726625 ELLSHORTH AFR SD STATION NAME PAGE 2 0600-0800 WET BULB TEMPERATURE DEPRESSION (F)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 8 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point 16/ 15 TOTAL 900 900 900 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE ಠ FORM 0-26-3 Element (X) Zx' No. Obs. Mean No. of Hours with Temperature Rel. Hum. ≤ 0 F 1 32 F ≥ 67 F ≥ 73 F 3252326 2937667 57.417.840 56.4 9.386 900 Dry Bulb 900 90 Wet Bulb 43314 48-1 6-640 900 2124198 90 Dew Point 900 36076 90

726625 ELLSHORTH AFB SO STATION NAME

PSYCHROMETRIC SUMMARY

SEP

0900-1100 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 D.B. W.B. Dry Bulb Wet Bulb Dew Point 98/ 97 96/ 95 94/ 93 92/ 91 .1 . 2 3 3 . 4 11 11 90/ 89 . 1 • 1 • 3 88/ 87 _3 18 18 86/ 85 . 6 . 6 19 19 . 6 24 24 a . 84/ 83 ... 82/ 81 80/ 79 .4 . 6 • 1 27 27 45 45 78/ 77 1.0 1.6 76/ 75 58 58 . 9 2.1 47 47 74/ 73 •6 . 6 .6 53 53 72/ 71 1.0 1.3 58 70/ 69 .4 . 9 1.1 1.8 .7 . 1 58 48 68/ 67 48 1.2 45 45 29 • 1 66/ 65 64/ 63 • 64 64 42 62/ 61 • 3 1.4 64 50 1 2.1 1.4 . 6 51 51 69 8 1.0 60/ 59 97 58/ 57 1.0 1.0 1.3 1.0 45 45 25 •2 56/ 55 94 92 45 45 33 54/ 53 1.1 1.0 52/ 51 33 33 130 28 50/ 49 . 3 20 20 81 43 . 6 69 65 16 48/ 47 46/ 45 . 2 7 46 89 44 44/ 43 28 80 42/ 41 3 83 40/ 39 a 38/ 37 9 72 63. 36/ 35 70 34/ 33 Mean No. of Hours with Temperature Rel. Hum. ± 0 F : 32 F ≥ 67 F = 73 F = 80 F ₽ 93 F Total Dry Bulb

FETAC FORM 0-26-3 OL A: PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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USAFETAC FORM 0-26-3 OL A:

Wet Bulb Dew Point FORM 0-26-3 (OL A. PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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726625 ELLSHOPTH AFR SO STATION NAME

SEP

OOD - 1100 PAGE 2

Temp.							BULB											TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 . 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	+ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Po
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TOTAL	. 2	2.1	6.6	5.4	7.9	11.0	11.7	11.0	9.3	10.7	7.2	6.1	2.9	3.6	1.8	1.3	1.2		900	1	900
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Element (X)	7	× 2			ž X		X			No. Ob	s.				Mean N	o, of Ho	urs with	Temperati	,,•		
Rel. Hum.			5370		384							± 0 F		32 F	≥ 67		73 F	4 80 F	- 93 F		otal
Dry Bulb			8504		-604		42.7 67.2			91	00										
Wet Bulb							53.2								46.		H. L.	13.0		1	9.0
Dew Point		254	9993 8055		479	<u> </u>	23.2		194		JO					7				i	9.0

726625 ELLSHORTH AFR SD STATION NAME

PSYCHROMETRIC SUMMARY

1200-1400 HOURS IL. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B. W.B. Dry Bulb Wet Bulb Dew Pain 104/103 102/101 100/ 99 . 4 98/ 97 1.0 96/ 95 94/ 93 .2 . 8 15 15 92/ 91 . 3 .2 . 8 13 13 90/ 89 27 88/ 87 . 4 24 24 86/ 85 35 84/ 83 1.3 1.7 48 48 . 6 82/ 81 53 80/ 79 1.0 1.2 57 57 78/ 77 47 47 76/ 75 43 2.0 74/ 73 65 65 72/ 71 . 3 1.1 1.6 . 6 . 2 46 46 70/ 69 45 45 . 9 . 1 68/ 67 1.8 48 48 16 66/ 65 56 56 64/ 63 1.3 . 8 .9 54 54 65 1.6 39 39 . 3 . 1 . 9 26 93 60/ 59 . 8 26 .6 58/ 57 103 32 32 28 56/ 55 107 24 1.1 29 29 120 54/ 53 18 18 29 52/ 51 . 2 . 6 16 16 68 30 50/ 49 9 54 48/ 47 10 10 59 46/ 45 45 54 73 44/ 43 32 . 2 4 81 85 40/ 39 9 Element (X) No. Obs. Mean No. of Hours with Temperature • 73 F Ret. Hum. : 32 F # 80 F Wet Bulb

26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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JSAFETAC FORM 0.

PSYCHROMETRIC SUMMARY

726625 ELLSHORTH AFR SD STATION NAME

PAGE 2 1200-1400 HOURS (L. S. T.)

Temp.				,	T		BULB .								r::	· · · · · · · · · · · · · · · · · · ·	,	TOTAL	L	TOTAL	TU 1
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16/ 15]			<u> </u>		<u> </u>		<u> </u>	<u> </u>						L			<u> </u>		ļ
OTAL		1.2	3.8	2.4	3.4	7.6	9.2	10.2	12.0	8.0	10.2	7.1	7.0	6.3	3.8	2.8	4.9		900		90
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Element (X)		Z X'			Z X		X	- A		No. Ob								Temperati			
Rel. Hum.			7172		320		35.6				00	= 0 F		32 F	≥ 67		73 F	≥ 80 F	→ 93 F		Total
Dry Bulb			1553		650		72.3				00				59.	-6-4	45.7	27.2	مفا	5	9
Wet Bulb		276	8242		495	70	55.1	6.5	05	9	00					و		ļ			9
Dew Point			9299		366		40.7		1	_	חח		1 .	A-A		1		1	i	- 1	9

USAFETAC FORM 0-26-3 (OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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726625 ELLSHORTH AFR SD STATION NAME

PSYCHROMETRIC SUMMARY

SEP

PAGE 1 1500-1700 HOURS IL. S. T.) WET BULB TEMPERATURE DEPRESSION (F) Temp. TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B. W.B. Dry Bulb Wet Bulb Dew Poin 104/103 105/101 100/ 99 . 4 4 98/ 97 9 9 96/ 95 .1 1.0 10 10 94/ 93 .2 1.3 21 21 92/ 91 .4 1.0 • 3 16 16 90/ 89 88/ 87 . 1 . 9 . 6 1.0 •6 29 29 . 1 86/ 85 35 35. .4 1.8 84/ 83 1.7 1.4 .2 58 58 82/ B1 52 52 80/ 79 . 7 1.1 50 50 78/ 77 1.0 60 60 1.3 76/ 75 • 3 .2 . 6 . 8 1.4 46 46 74/ 73 54 54 72/ 71 .7 1.4 47 • 3 1.1 • 1 47 70/ 69 68/ 67 . 1 . 6 . 2 1.0 . 3 1.9 . 1 44 44 11 .9 66/ 65 1.9 52 52 35 64/ 63 . 3 1.0 43 1.1 . 8 43 75 62/ 61 46 46 73 . 8 60/ 59 1.0 29 29 .8 81 6 58/ 57 38 38 700 20 56/ 55 25 25 17 105 54/ 53 17 52/ 51 12 12 82 50/ 49 12 12 7.7 37 48/ 47 . 6 9 9 53 46/-45 ...2 2 58 491 44/ 43 74 • 6 . 2 11 11 18 42/ 41 16: 40/ 39 18 85 No. Obs. -73 F →80 F -93 F : 32 F 5 0 F Dry Bulb Wer Buib

73-82

AC FORM 0.26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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USAFETAC FORM 0.26.3 CH

GLOBAL CLIMATOLOGY BRANCH PSYCHROMETRIC SUMMARY USAFETAC AIR WEATHER SERVICE/MAC 726625 ELLSHORTH AFR SO STATION NAME SEP 1500-1700 | WET BULB TEMPERATURE DEPRESSION (F) | TOTAL | TOTAL | TOTAL | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | # 31 | D.B. W.B. Dry Bulb | Wet Bulb | Dew Point 36/ 35 .62 32/ 31 78 30/ 29 49 28/ 27 24 26/ 25 18 24/ 23 27/ 21 **.5**. 20/ 19 4 18/ 17 TOTAL 2.8 3.1 6.9 8.3 9.2 8.2 3.0 9.6 7.6 7.3 6.3 4.4 2.4 5.7 900 900 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE ∢ ಠ 0.26.3 No. Obs. Element (X) Mean No. of Hours with Temperature Rel. Hum. ≥ 73 F 34.617.031 1338756 Dry Bulb 40.0 4453702 65162 900 46.4 28.1 90 Wet Bulb 2742800 54.8 6.472 49342 900 90 35905 90

PSYCHROMETRIC SUMMARY

726625 ELLSHORTH AFB SO STATION NAME SEP. PAGE 1 1800-2000 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point 92/ 91 • 2 88/ 87 • 3 86/ 85 9 84/ 83 . 3 12 12 H2/ B1 . 9 . 3 80/ 79 . 3 . 3 . 4 . 2 24 -1 24 78/ 77 30 30. 76/ 75 41 74/ 73 44 1.1 .6 72/ 71 . 7 54 54 70/ 69 71 71 68/ 67 . 4 1.8 1.3 1.0 55 55 66/ 65 **67** 64/ 63 2.2 26 .6 68 68 621 61 49 49 49 60/ 59 1.0 1.1 57 57 63 58/ 57 1.0 55 55 60 56/ 55 1.3 1.4 1.2 1.4 58 58 75 26 54/ 53 50 93 19 52/ 51 .7 . 9 30 . 3 117 27 . 1 30 50/ 49 ۵Ľ 36 100 4.7 48/ 47 29 29 91 45 77 461.45 13 13 60 44/ 43 . 1 52 • 1 . 1 66 97 40/ 39 35 84 36/ 37 83 14 36/ 35 82 41 32/ 31 58 30/ 29 44 28/ 27 37 No. Obs. Rel. Hum. Wet Bulb

0.26.3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET

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PSYCHROMETRIC SUMMARY

726625 ELLSHORTH AFR SD STATION NAME

PAGE 2

1800-2000 HOURS IL. S. T.

Temp.	!	WET BULB TEMPERATURE DEPRESSION (F) 0 1 - 2 3 - 4 5 - 6 7 - 0 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 + 31														TOTAL		TOTAL						
(F)	0	1 - 2	3 - 4	5 . 6	7 . 0	9	- 10	11 - 1	2 13	1 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 2	6 27 .	28 29	. 30	× 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Po
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18/ 17			}	l	1	-		1	-			!	{				1		- 1		1			1
16/ 15					1											1	 						1	
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Rel, Hum.							+		+				+	± 0		32 F		67 F		73.5	# 80 F	• 93 1	<u>.</u> :	Total
Dry Bulb			0365							-88			00			34 F	_		+			~ + ~		
Wet Bulb			3997		_57	377	4-4	63.6	100	1.33	3		00				↓ \$	6.5	1	8.5	5.5	 -		90
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Dew Paint		147	5820		_354	L	2	39.6		لكما	31	9	00			19.7	<u> </u>		i			1		90

FORM 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

726625 ELLSWORTH AFR SD STATION NAME

2100-2300 HOURS (L. S. T.) PAGE 1

Temp.							BULB '						·				TOTAL		TOTAL	
(F)	0	1 . 2	3 · 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 . 24	25 - 26	27 · 28 29	- 30 + 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew
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G/ 69				.1	• 6	1.0	.7	.6	.4	• 2		1	[[1		32	32		
8/ 67				2	-6	-4	1.2	1.1	1.1	2	1						46	46		
6/ 65			• 1	.2	.8	. 6	.7	1.3	.9	.2			ĺ	ĺ		j	43	43	}	1
4/.63				8	- 9	8	- 9	1.6	8								58	58	5	ļ
2/ 61			. 2	1.2	1.3	1.4	2 . 2	ر9	.8	,							73	73	17]
0/ 59		4	1	. 7	1.4	1.4	1.8	6	1.1								68	68	35	ļ
8/ 57	• 2	. 4	. 8	.7	1.8	1.8	2.0	1.2	1			[ĺ				81	81	49	ĺ
6/ 55		6	1.4	2.8	1.7	1.2	هم." ـ	6	 -								LA CA	BA	70	ļ
4/ 53			. 7	1.6	2.9	• 9	1.6										68	68	68	ļ
2/_51			1.1	2.2	1.6	1.2	1.2		ļ								66	66	86	ļ
0/ 49		• 6	1.9		1.0		- 1				1					}	55	55	99	
8/ 47		6	1.1	2.1	1-1	9	2				——-						54	54	100	ļ
6/ 45		- 6	. 7	1.9	• 2	• 6						1	1			İ	35	35	113	
4/ 43			9	1.2	6												24	24	81	
2/ 41		• 7	. 6	• 3	_								ŀ	: 1			14	14	67	
0/ 39	1	8	3		3	2			ļ								17	17	58	1
8/ 37			• 4	• 1								i			İ	İ	5	5	29	
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ment (X)	Z x 2		Z _X ² Z _X			X "A			No. Obs.					Mean No. 6	ith Temperature			Ь		
I. Hum.				-						10F	- -	32 F	≥ 67 F	≥ 73 F	● 80 F	• 93 F		Total		
Bulb													_	$\overline{}$			1		_	
1 Bulb								•									1	1		
w Paint																	+			

USAFETAC FORM O 26-3 OL A. PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

ELLSHORTH AFR SD STATION NAME

PAGE 2

2100-2300 HOURS IL. 5. V.1

Temp.	WET BULB TEMPERATURE DEPRESSION (F) 0 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 - 31														TOTAL	TOTAL					
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 . 22	23 - 24	25 . 26	27 - 28	29 - 30	+ 31	D.B. W.B.			Dew Po
OTAL	• 3	4.9	10.4	17.8	16.9	13.7	14.4	8.9	6.8	3.0	1.4	1.1	• 1	• 2				900	900	900	900
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Element (X)		Σ×'			Žχ	\Box	X			No. Ob					Meun Na	o of Ho	urs with	Temperat	ure		L
Rel. Hum.			2022			4.2	54.0					± 0 F	•	32 F	≥ 67 (73 F	→ 80 F	₹ 93 F		Total
Dry Bulb			2571		516		57.4	# • U	20	9					14.		4.9	. 1	 		91
Wet Bulb			990		434		48.3			9.1	1			. 7					1		91
Dew Point			2105		155			1.2		91			•	A. 3					T		9.0

USAFETAC FORM 0.26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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726625 ELLSHORTH AFR SD STATION NAME

PSYCHROMETRIC SUMMARY

PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 - 31 D.B. W.B. Dry Bulb Wet Bulb Dew Poin 104/103 . 0 102/101 100/ 99 . 1 8 98/ 97 ٤. 21 21 96/ 95 • 0 . 3 26 26 94/ 93 92/ 91 • 3 .0 38 . 1 38 • 1 -1 90/ 89 58 58 88/ 87 • 3 • 2 .0 75 • 1 . 1 75 86/ 85 ٥٩ 98 98 84/ 83 • 1 . 3 •2 • 3 • 6 • 3 •0 142 142 82/ 81 153 153 80/ 79 . 3 . 4 .0 175 . 4 . 3 175 78/ 77 . 5 .6 .A 209 209 76/ 75 . 6 .6 . 2 234 234 74/ 73 .0 - 4 246 246 72/ 71 . 3 • 3 •6 . 8 • 7 • 5 • 3 • 0 257 257 70/ 69 320 320 68/ 67 . 9 • 3 . 1 • 3 . 6 . 7 1.0 . 7 .0 336 336 35 66/ 65 1.0 1.0 346 346 113 64/ 63 • 3 1.2 419 419 217 62/.61 12 411 411 296 60/ 59 . 2 . 2 1 . 3 1.3 •8 . 4 • 0 443 443 398 49 58/ 57 463 463 517 56/ 55 -1 . 6 1.2 . 1 152 465 465 631 54/ 53 484 484 666 185 52/ 51 • 0 • 2 1.0 1.0 371 371 730 257 50/ 49 342 342 687 322 48/ 47 1.0 •0 1.3 . 0 . 5 . 3 331 331 678 409 46/ 45 209 209 581 662 44/ 43 . 2 . 1 . 8 173 474 576 173 42/ 41 122 122 380 659 40/ 39 105 105 665 335 Element (X) 7.9 No. Obs. T_K Mean No. of Hours with Temperature Rel. Hum. ± 0 F ≥ 67 F • 93 F : 32 F # 80 F ≥ 73 F Total Dry Buib Wet Bulb

73-82

0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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SAFETAC FORM 0-26-

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

726625 ELLSWORTH AFR SD
STATION STATION NAME

PSYCHROMETRIC SUMMARY

SEP.

PAGE 2 TOTAL TOTAL D.B. W.B. Dry Bulb Wer Bulb Dew Poin Temp. WET BULB TEMPERATURE DEPRESSION (F) 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 *31 36/ 35 •0 . 1 .0 •0 18 18 105 633 . 1 34/ 33 467 ď 48 3 32/ 31 .0 3 21 532 30/ 29 7 323 242 174 28/ 27 3 26/ 25 24/ 23 63 22/ 21 38 20/ 19 31 18/ 17 1 16/ 15 12 14/ 13 7200 TOTAL .3 4.410.312.212.211.210.6 8.6 7.3 6.2 4.7 3.5 2.5 2.3 1.4 7200 7200 No. Obs. Element (X) Mean No. of Hours with Temperature Rel. Hum. 4 0 F 48-619-897 7200 ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F 19876076 350124 Dry Bulb 62-112-681 50-4 7-360 7200 10.3 720 28886812 446822 244.4 363230 7200 720. 287085

RM 0-26-3 (OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 0-26-3 (OL A

PSYCHROMETRIC SUMMARY

726625 ELLSHU. H AFR SD STATION NAME OCI 21 PAGE 1 0000-0200 WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 . 2 | 3 . 4 | 5 . 6 | 7 . 8 | 9 . 10 | 11 . 12 | 13 . 14 | 15 . 16 | 17 . 18 | 19 . 20 | 21 . 22 | 23 . 24 | 25 . 26 | 27 . 28 | 29 . 30 | 2 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point ü (F) 70/ 69 . 1 68/ 67 669-052 66/ 65 . 3 3 3 17 62/ 61 17 . 5 •5 . 6 60/ 59 18 18 . 3 58/ 57 1.2 24 24 25 25 56/ 55 . 0 54/ 53 . 9 2.3 . 1 55 55 52/ 51 46 46 70 70 28 50/ 49 . 8 1.2 2.6 • 5 THIS FORM ARE OBSOLETE 48/ 47 7.2 12 32 46/ 45 2.2 3.6 95 95 55 12 44/ 43 - 0 88 88 70 12 2.7 2.6 22 42/ 41 . 8 • 1 65 65 138 40/ 39 70 2.5 59 38/ 37 1.7 • 3 52 53 112 . 2 . 1 36/ 35 72 79 2.8 65 <u>65</u> 34/ 33 1.1 3.1 1.2 54 54 81 80 ö 32/ 31 42 43 67 130 30/ 29 . 5 1.2 58 162 • 9 26 26 28/ 101 26/ 25 7 27 86 . 1 . 6 24/_23 9 43 22/ 21 3 61 . 3 20/ 19 57 18/ 17 15 . 1 1 1 16/ 15 ಠ 9 14/ 13 0-26-3 **_3**. 12/ 11 10/ 9 930 .928 FORM 2 928 928 Element (X) Mean No. of Hours with Temperature Rel. Hum. 5 0 F # 32 F ≥ 67 F ≥ 73 F • 93 F 55400 928 Dry Bulb 9.8 1847976 930 93 93 1352493 34935 928 20.9 Dew Point 93

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PSYCHROMETRIC SUMMARY

126625 ELLSHORTH AFB SD STATION NAME

0300-0500 HOURS (L. S. T.) PAGE 1

Temp.						WET	BULE	TEMPER	ATUPE	DEPP	40122	(F)						TOTAL	T	TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 . 0								22 24 2	16 24	27 20	20 20	. 31		Dev Bulk	Wet Bulb	Daw Pa
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62/ 61				ļ			3		2									9	9		ļ
60/ 59			1				•6	.4	. 3	• 3								16			i
58/ 57			ļ			4	-8	1.5	-3									25	25	 	
56/ 55					• 1	. 8	- 8	.8					i					22			
54/ 53			- 2	1	- 5	1.0	6	3	ļ	 								25	26	2	
52/ 51		• 1	• 5	1		1.4		•2		-]	ľ					50		2	
50/ 49		-2	8	-8	2.2	1.5	-6				ļ							56	56	10	
48/ 47		• 3					.2			ŀ								75	75	30	9
46/ 45		1.0		3.4	3.8	1.0	ļ			ļ		ll						107		5.2	
44/ 43		. 4	1.5	3.0	2.6	• 3		}		l	•		i					73	73	77	11
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40/ 39	• 3	1.6	2.5	2.3	• 2								}		}			64	64	108	3 6
381 37	3	1.6	2.7	2.2	9						ļ							71	71	140	
36/ 35	• 1	2.2	2.4	1.6	-1													59	59	91	7
34/ 33	3	1.7	2.4	1.7								ļ						5.7	57	6.3	82
32/ 31	. 6	1.2	3.2	. 8											[i			54	54	76	128
30/ 29	3	1.5	1.7	2								ļi			ļļ			35	35	58	94
28/ 27		1.5	1.0															23	23	56	99
26/ 25		6	3	ļ						L		l			ļ			9	9	30	101
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22/ 21																		ļ		4	
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18/ 17		3		ļ														3	3	3	2
16/ 15													1					ŀ		3	1 8
14/ 13										ļ											
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10/ 9																			ļ		
8/ 7															l	i]		1
OTAL	2.4	15.6	26.3	21.1	16.3	7.5	5.4	4.1	1.1	9	1	1							930		930
																		930		930	
lement (X)		Z X'			Z X		¥	₹ A		No. Ob	s.				Mean N	o. of Ho	urs wit	Tempera	ture	1	
lei. Hum.		174	7828		569	72	61.3	6.6	56	9	30	± 0 F	= 3	2 F	e 67	F .	73 F	- 80 F	• 93	F	Total
Dry Bulb			2505		395	· • ·		AAA			30		1	3.1		2				I	9
Wet Bulb			3667		341			4.3			30			1.6							9.
Dew Point			5044	· · · · · · · · · · · · · · · · · · ·	249		29.0				10			. 0							9.

FORM 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SAFETAC

PSYCHROMETRIC SUMMARY

7266.25 ELLSHORTH AFR SD STATION NAME

PAGE 1 0600-0800 HOURS ILL S. T.)

Temp.								TEMPER										TOTAL		TOTAL	
(F)	G	1 - 2	3 · 4	5 · 6	7 . 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 . 2	6 27 .	28 29	- 30	1 D.B. W.B	Dry Bulb	Wet Bulk	Dew Pa
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74/ 73						ļ	ļ	<u> </u>	ļ		<u> </u>	-1		ļ	 			1	1	ļ	
70/ 69									ļ	. 2	.2	.1				ŀ		5	5		į
8/ 67						.		ļ. ļ.	2	2	2	<u> </u>			 			6	6	ļ	-
6/ 65						1	ļ	-1	. 2	. 3	. 1							7	7		į
4/ 63						ļ	1	5	8	4	1	ļ		ļ				18			ļ
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8/ 57					• 2	. 6	.9	1.0			İ				ĺ	-		25		j	!
6/ 55			1	1	2	1.1	1.1	-3				 		 				27			.}
4/ 53		. 2	• 1	• 4	. 5	4					1	1				-	Ť	37			1
2/ 51		1	1		1.7	2.0			ļ		 	 		 	+			54		12	1
0/ 49		• Z	1.1	1.2	1.9							1				1		66	•	28	
8/ 47			1.7	1.8	2.4	1.2	2	 	ļ	<u> </u>	 -	 		-				68	68	39	·
6/ 45		1.1	1.6	2.4	3.2	1.0	• 1		1		İ			}				87		71	١.
4/ 43		8	2.3	_3.3	1.8		ļ		 		 	 		<u> </u>	-	-+		77		86	1
2/ 41	. 1	. 8	2.5	2.8	1.5		ĺ											71		100	_
0/ 39		1.6	2.6	2.7	9		 		+		 	 -		 	+			7.3	7.3	103	3
8/ 37	.4	1.2	3.2	2.0	• 2				l		1						ļ	66	1	119	6
6/ 35		1.3	1.5	1.3	3			 	 		 -	 			+			42		91	
4/ 33	• 5			1.6					i			-						52		74 58	12
2/ 31		1.5		- 5				 			 	 		 	+			31	31	51	10
0/ 29	. 4	1.4	1.4	• 1				[1	-		17		45	
8/ 27		1-1						 			t			 -	†	\dashv		9		30	1 .
6/ 25		.8	• 2															2	7	10	
4/ 23		2					·	 			† · · · · ·				 			1	1	4	6
2/ 21		• 1							1								1	4	1	ī	4
0/ 19		_										1						,	1	3	
8/ 17		• 1									1					-	ŀ	•	•	1	1
4/ 13								<u> </u>							1						•
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8/ 7											T				T	-			1		
		لجيا									<u> </u>	<u> </u>			<u> </u>	1		11 7	<u> </u>		
ement (X)		EX,			E X	+	X			No. O)s.							vith Tempera			Total
II. Hum.								 				≤ 0 1	· + ·	± 32 F	+	67 F	≥ 73 F	≥ 80 F	• 93		10101
y Bulb								 							+			 -			
et Bulb								 							+						
w Point			1			1		1	- 1				i		1		l	[1		

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE USAFETAC FORM 0.26-3 OL A

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¥. GLOBAL CLIMATOLOGY BRANCH PSYCHROMETRIC SUMMARY USAFETAC AIR WEATHER SERVICE/HAC 726625 ELLSHORTH AFB SD STATION NAME PAGE 2 OSOO - OSOO | NET BULB TEMPERATURE DEPRESSION (F) | TOTAL | TOTAL | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B. W.B. Dry Bulb | Wet Bulb | Dew Point Temp. (F) 2.214.123.720.815.1 9.2 6.7 4.3 1.7 1.3 930 930 TOTAL 930 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE ಠ 0-26-3 Element (X) No. Obs. Mean No. of Hours with Temperature Rel. Hum. = 32 F ≥ 67 F ≥ 73 F 59.817.135 44.1 9.573 55603 3597161 Dry Bulb 1891422 40986 930 11.0 93 Wet Bulb 1370951 37.8 4.643 930 20.3 35169 Dew Point 0.7.0 40.7

PSYCHROMETRIC SUMMARY

724425 ELLSHORTH AFB SD STATION HAME

PAGE	1	HOURS	

Temp.			,		,						ESSION							TOTAL		TOTAL	
(F)	0	1 - 2	3 · 4	5 . 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 . 26	27 - 28	29 - 30	+ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Po
90/ 89		1	ĺ	1		ĺ	ĺ		1	(T		.1	1	1	1		1
86/ 85				L				<u> </u>	<u> </u>		<u> </u>			L		-1	l	i	i		i
84/ 83				[ĺ		İ					. 1	.1			2	2		T
82/ 81		1					L	<u> </u>	Ĺ	<u></u>	<u> </u>	İ	2	2		Ĺ	<u> </u>	6	6		
80/ 79				į					1			. 1	-1	. 4				7	7	- 112-1171011	1
78/ 77		ļ							ļ			2	. 9				1	10	10		
76/ 75			ŀ								. 4	1.0	- 4	.1		i	İ	18	18		
741.73										2		- 9	1		<u> </u>	L	<u> </u>	18	18		l
72/ 71									. 1	. 5		. 5				ĺ	ĺ	24	24		
701 69		ļ						2	-3	1.4	1.6	1	<u> </u>			ļ		34	34		<u> </u>
68/ 67							. 2	.6	1.8	1.4	.6	.1			,		1	45	45		i
66/ 65						1	2	Α	1.8	1.3	3				 _	L		9.2	42		İ
64/ 63		[• 3	. 4	- 4	1.7	-4	.2	({	1			{	33	33		
62/ 61		ļ		1	1	3	1.6	1.6	6					ļ			ļ	4.5	45		
60/ 59		i		. 1	• 3	• 6	1.6	1.4	1.3	. 2	ļ						}	52	52	1	
58/ 57		ļ		2	5	8	144	2.2	-6	ļ	ļ <u> </u>						↓	54	54	5	<u> </u>
56/ 55				• 2	. 4	1.4	1.6	1.5	• 3		}			į] [1	51	51	24	
54/ 53		 		1	A	1.5	2.7	5			 			<u> </u>			ļ	53	53	6.8	<u> </u>
52/ 51]	٤ ۽	. 6	1.5	1.1	1.9	• 4	• 1		j			j				56	56	78	ļ
50/ 49			5	1.1	1.6	1.6	1.5	1			ļ			<u> </u>			ļ	60	60	82	
48/ 47		• 1	1.2	1.3	1.5	1.2	. 4							ļ	,		ļ	53	53	71	
16/ 45		3	1.0	1.7	1.6	1.2			ļ					 			ļ	54	54	86	1
44/ 43		• 6	• 5	1.0	. 8	• 6					ı							33	33	111	1
12/ 41		-9	5	B	5	8								} - 			 	32	32	87	
40/ 39	• 3	1.3	1.3	1.1	•4	• 1											-	42	42	88	6
38/ 37	1	3	-1-4	6	2	1											 	26	26	66	
36/ 35	• 2	1.1	. 8	. 6	-1				'									26	26	47	10
34/ 33	3	- 9	-1.0	2											<u> </u>		 	26	26	40	9
32/ 31 30/ 29	• 1	• 5	1.3	• 3													}	20	20	28	13
	1																 			28	A
28/ 27				}	ļ	}	- 1						İ				'		1	17	6
24/ 23																	 	 		3	
27/ 23	1		ŀ	ł						İ			l				İ			i	4
lement (X)		Z X2			×		¥		\neg	No. Ob					Mean N	o. of H	ours with	Temperati	<u>.</u>		
el. Hum.												± 0 F		32 F	≥ 67		73 F	= 80 F	• 93 F	1	Tatal
ry Bulb															<u>-</u>			11	 	- 	
Vet Bulb									_		-+				·	_		·	1		
ew Point																			 -		

USAFETAC FORM O 26-3 OL A PREVICUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC 726625 ELLSHORTH AFR SD. STATION NAME

PSYCHROMETRIC SUMMARY

1900-1100 HOURS (L. S. T.) PAGE 2

Temp.						WET	BULBT	TEMPER	ATURE	DEPRE	SSION (F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 · 4	5 . 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 . 24	25 - 26	27 - 28	29 - 30	+ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Poi
20/ 19																					39
18/ 17		<u> </u>			<u> </u>							<u> </u>	<u> </u>	<u> </u>							16
16/ 15			ĺ	1				1	-	1 1		[[[ĺ	[i		Ì	3
14/ 13								LI				İ					<u> </u>				2
12/ 11														Ĭ			ĺ				2
TOTAL	11	6.1	10.8	10.1	10.4	11.7	13.7	9.8	8.9	5.9	5.4	2.9	1.7	وم	.4	2	L		930	l	930
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1					1	. +	.	.											i		
Element (X)		Σχ²			E X		¥	•		No. Obs			_		Mean N	o. of Ho	urs with	Temperat	u1.0		
Rel. Hum.												± 0 ₽	: .	32 F	≥ 67	~~~~	73 F	≥ 80 F	# 93 F		Total
Dry Bulb			1731 1183		430. 502			19.57 12.12		9:			-+-	2.6	16		6.3	1.3			9.3
Wet Bulb					403			7.09		9 3			-+	7.6		-	-0-3		1		
Dew Point			6001										-+-						 		93
***************************************			8678		292		القصفة	-6-68	-2	9.1	ш			51.7							

USAFETAC FORM ARE OBSOLETE

USAFETAC JUN 71 0-26-3 (OL A PREVICUS EDITIONS OF THIS FORM ARE OBSOLETE

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726625 ELL SHORTH AFR SD STATION NAME

PSYCHROMETRIC SUMMARY

			_							_							_	PAGE		HOURS (L. S. T.
Temp.										DEPRE								TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 . 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 . 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	= 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew P
92/ 91						ĺ						1		1			. 1	1	λ	l J	1
90/ 89			<u> </u>	<u> </u>		<u> </u>	ļ			J	<u> </u>			ļ			4	4	4	i 	ļ
88/ 87			1			ĺ		l i		ļ		1			. 1	. 1	!	2	2	!	
86/ B5			ļ	<u> </u>	ļ		ļ		ļ	ļ	 -	 			5	2		7.	7_	<u> </u>	ļ
84/ 83			}	ļ]	ļ	1				1			• 1	. 9	• 2	1	11	11		1
82/ 81				ļ <u>.</u>	}					 -				1.4			ļ	19	19		ļ
80/ 79				ŀ			ļ		ļ		-1		1.4	. 9	- 1		!	25	25	!	
78/ 77		 		 	 						- 3	1.0	1.2	3				28	28		
76/ 75		}	ļ	1	1		l			• 1	. 4	1	• 5	[]	}		:	24	24 23	}	
74/ 73		 	 							- 4		1 2	-2	 	•		 		41		
72/ 71		1					ļ	• 2	.1	1.1	1.6		• 2	1	i			41 52	52	!	i i
68/ 67		 -		 	 			.8	1.6	1.5		.3		 			 	50	50	ļ	
66/ 65		1		l	, ,		- 3	1.0	1.0			1		1]		l	43	4.3		į
64/ 63					••	. 1	.4	1.2	1.4					<u> </u>	1			45	45	·· ···	1
52/ 61		İ	ĺ	. 2	-1		4	2.2	1.5		•	[!		i i	ļ		1	50	50	1	(
60/ 59					. 4	. 6	1.2	2.2	1.5									55	55	9	1
58/ 57				3	A	1.4	A	1.6	1.3	.2	Ĺ						İ	59	59	33	
56/ 55					1.2	1.9	. 8	1.4	. 8									57	57	66	
54/ 53		ļ		.2	. 9	1.1	1.4		. 2									19	39	86	
52/ 51		.1	. 2	. 8	.9	. 8	1.6	.4	_	[[ĺĺ		į l	{		[44	44	82	
50/ 49		1	2	5	8	6	1.4				ļ							34	34	87	ļ .
48/ 47		1	. 2	.4	1.0	. 8	1.5	•2		j	j	, ,		ļj	j		ļ	38	38	106	1
46/.45		3	3	1.0	1.1	1.1	3			 	 							38	38	92	1
44/ 43	1	•6	.6	. 9	• 6	. 6					ĺ				ĺ			32	32	62	1
2/ 41			6	6	3					 	 							24	24	-66	3
40/ 39		1.0	1.4	. 5	•2]	l	, ,]	1			29	29	69	7
38/ 37		3	9	- 3							 	 			·			14	14	55	
36/ 35	• 3	. 4	• 5	• 1								1 1			ł			13	13	55	9
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32/ 31		. 4	. 8	• 1							ĺ	1 1						12	12	1.3	11 8
28/ 27		- 3			<u> </u>					 		 		tt				1	1		7
26/ 21		• 1								!	1							•	•	11	7
lement (X)		Z X'			Z X		X	٠,		Nc. Ob	6,	<u>-</u>			Mean N	o. of He	ours with	Temperati	J7 6		
el. Hum.												± 0 ₽		32 F	e 67	F	73 F	• 80 F	. 93 F		Total
ry Bulb																			1		
et Bulb												-	7						1	1	

USAFETAC JUN 77 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

726625 FLLSWORTH AFR SO STATION NAME 73-82 OCI. PAGE 2 1200-1400 HOURS IL. S. T.1 TOTAL TOTAL
D.B. W.B. Dry Bulb Wet Bulb Dew Point WET BULB TEMPERATURE DEPRESSION (F) Temp. (F) 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 24/ 23 45 22/ 21 52. Į, 20/ 19 32 18/ 17 ...18... 16/ 15 14/ 13 3 1 TOTAL 6-0 8-4 9-810-512-210-5 7-8 7-8 5-5 3-5 2-7 2-3 930 { 930 930 OF THIS FORM ARE OBSOLETE SNOITIGE PREVIOUS ಠ 0-26-3 ¥.00.3 12.2.3 12.2.3 Element (X) No. Obs. Mean No. of Houry with Temperature Rei. Hum. € 67 F # 73 F # 80 F 40.019.645 + 0 F : 32 F • 93 F 1845657 37189 930 Dry Bulb 54878 59-01 T-048 339643D 930 93 Wet Bulb 1998220 42542 45.8 7.226 930 3.2 93 Dem Peint 11.6 7.090 29474 9 10 51.0

PSYCHROMETRIC SUMMARY

726625 ELLSHORTH AFR SD STATION NAME OCT. 1500-1700 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) Temp. TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point 92/ 91 90/ 89 88/ 87 86/ 85 84/ 83 .1 1.3 .2 16 16 82/ A1 11 11 80/ 79 . 5 1.0 17 17 78/ 77 19 19 76/ 75 . 3 . 1 12 . 4 12 74/ 73 - 9 .9 22 22 72/ 71 38 38 70/ 4.4 39 39 68/ 67 1.1 . 8 1.7 1.0 . 2 44 44 66/ 65 50 50 64/ 63 . 6 1.6 1.7 52 52 62/ 61 1.5 1.0 47 47 . 1 . 2 60/ 59 1.0 1.1 2.4 59 1.2 59 58/ 57 64 64 18 56/ 55 1.8 1.3 57 57 52 54/ 53 - 4 38 38 52/ 51 . 4 49 49 93 2 5C/ 49 43 43 99 48/ 47 . 9 1.5 1.4 1.1 48 48 89 6 46/ 45 38 38 81 44/ 43 36 36 89 17 42/ 41 29 29 77 45 40/ 39 . 6 15 15 71 47 38/ 37 7.8 32 32 62 36/ 35 • 6 17 51 95 17 34/ 33 1.2 12 39 82 32/ 31 16 130 30/ 29 104 28/ 27 73 11 26/ 25 Element (X) No. Obs. Mean No. of Hours with Temperature Rel. Hum. ± 32 F ≥ 67 F + 73 F • 93 F Total 2 0 F - 80 F Dry Bulb Wet Bulb

73-82

EDITIONS OF PREVIOUS Ö 0.26.3

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PSYCHROMETRIC SUMMARY

726625 ELLSHORTH AFR SO STATION NAME OCT.

1500-1700 HOURS (L. S. T.) PAGE 2

Temp.			·			WET	BULB	TEMPE	TATURE	DEPRE	SSION (F)	,,					TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 · 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	231	D.B. W.B.	Dry Bulb	Wet Bulb	Dew P
24/ 23				ļ			}	ĺ											i	1 1	, 4
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OTAL	٥	5.2	4.5	0 7	9.5	11.4	31.3	12.3	0.7	9.1	7.0	4.1	1.8	2.5	2-0	- 0	• 3		930		93
0175	• 7	3.2	0.3	0.5	0.3	* * • 7	1103		7.6	0.4	1.00	7.1	2.0		2.0	••	• 3	930		930	, ,,
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Element (X)		ξ X [†]			Z X		X	" ,		No. Ob	٥.				Mean No	. of Ho	urs with	Temperati	Jre .		
lel. Hum.		107	4392		387	5.0	41.7	19.4	.2		10_	= 0 F		32 F	≥ 67 F		73 F	+ 80 F	• 93 F	T	Total
Dry Bulb			3150		533	6.8	57.4	2 - 7	3.4	9				1.7	22.	7 1	0.6	4.4			9
fet Bulb			5834				44.9			9				3.7		1			1		9
ew Point			1723		291		31.3				30			3.8		1			1	_	9

USAFETAC JUN 71 0-26-3 (OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

726625 ELL SHORTH AFB SD 73-82 YEARS MONTH

									<u>.</u>						,	···		PAGE	- 1		-2000
Temp.		·	,					TEMPER						· • · · · · · · · · · · · · · · · · · ·	·			TOTAL	 	TOTAL	·
(F)	0	1 - 2	3 · 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 11	19 - 20	21 - 22	23 - 24	1 25 - 26	27 - 28	49 - 30	- 31	D.B. W.B.	Dry Bulb	Wet Bull	Dew Poi
76/ 75						ļ						.1	. 2	:	1			3	3		}
74/ 73						ļ	ļ		<u> </u>	 			1	<u> </u>	. j	ļ	ļ	5	5	 	ļ
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68/ 67							.1	.1	. 8	3 . 2	. 3	3						14	14		
66/ 65						1	ļ					<u> </u>				ļ	ļ	19	19	 	ļ
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62/ 61		ļ			3	3	3	1.0			 -	 	ļ	 	 		ļ	35	35		ļ
60/ 59		ļ			• 1	.8	1.2	1.4				1		1		1		37	37		;
58/ 57			1	2	3	1.4	1.3	1.6	2		+			├	ļ	 	 -	48	48		ļ
56/ 55		. 2		- 6	1.2		2.2		. 3	3	1	1		1	1]		69	69	3	j .
54/ 53			1	2	1.6	1.2	1.6	2				╃──			 	 		46	46	21	3
52/ 51		• 3	. 6	1.1	2.2	1.5	1.6	.9									-	76	76	33	1
50/ 49			1.1	1.0	_3.2	1.6	8	3				 			 	} -		74	74	5.7	ļ <u>1</u>
48/ 47			. 8	1.9	2,4	1.5	• 5	-1					ŀ	Ì			İ	67	67	83	7
46/ 45		2	1.2	2.6	1.2	1.5	1	L			┼─	 		 				63	63	- 96	19
44/ 43		• 3	1.3	1.7	1.0	. 6	. 1	ļ	}		ì	Ì				ļ		47	47	90	16
42/ 41		1.3	2.0	1.8	1.9		1	<u> </u>		 	∔	 	ļ	 	 	ļ		7.3	73	116	26
40/ 39		1.0	1.4	1.3	1.1			ĺ		1	1							44	44	98	58
38/ 37	2	1.2	2.0	1.4	.1.4			<u> </u>		 	ļ		-	 -	ļ		 	58	58	7.7	
36/ 35	. 3	-8	1.8	1.0	. 2							1	}					38	38	74	97
34/ 33	1	1.3	. 9						<u> </u>		·	-	ļ <u>.</u>	 	 	 		28	28	71	82
32/ 31	. 6	. 4	. 6	. 1			•											17	17	55	133
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24/ 23		i	[1						}			36
22/ 21		1						ļ		 	-			 	 -			1	1	 	56
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12/ 11																					4
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Rel. Hum.												± 0	F	≤ 32 F	≥ 67	F	73 F	≥ 60 F	≥ 93	F	Total
Dry Bulb							-		\bot							\Box					
Wet Bulb																					
Dew Point																		1		1	

RM 0-26-3 (OL A. PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM

PSYCHROMETRIC SUMMARY

726625 ELLSHORTH AFR SO STATION NAME 1800 - 2000. PAGE 2

																			,		(£, 5, T,)
Temp.			,	,		WET	BULB	TEMPER	RATURE	DEPRE	SSION	F)		,	·		,	TOTAL	 	TOTAL	
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OTAL	1.3	8.6	14.3	15.7	18.1	12.8	10.3	7.4	6.0	2.3	1.8	1.1	. 3						רצים		93
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Rel. Hum.		20 7	6448		492	0.9	53.0			9.	1 0	2 0 F	. ,	32 F	≥ 67 F		73 F	- 80 F	• 93 F		Total
Dry Bulb			4673		LEE	37	40.0	10.1	1 1	9.3				3.5	4.	•			1		9.
Wet Bulb			5125		379	0.5	40.8	4 E	77	9				3.3		-			1		9
Dew Point			9158			52				0				5.8		-					9.3

726625 ELLSHORTH AFB SD STATION NAME

PSYCHROMETRIC SUMMARY

OCT

PAGE 1 2100-2300 HOURS IL. S. T.I WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1.2 3.4 5.6 7.8 9.10 11.12 13.14 15.16 17.18 19.20 21.22 23.24 25.26 27.28 29.30 = 31 D.B. W.L. Dry Bulb Wet Bulb Cew Point 9 9 70/ 69 66/ 65 • 2 13 13 64/ 63 1.0 62/ 61 - 5 .6 26 26 60/ 59 . 4 . 9 . 4 24 24 58/ 57 .9 56/ 55 36 36 54/ 53 47 47 11 3 54 54 52/ 51 11 50/ 49 2.5 66 66 28 . 9 . 8 1.9 •1 48/ 47 2.9 91 91 43 3.5 84 84 73 12 46/ 45 .5 1.8 2.2 1.0 44/.43 76 76 89 . 8 84 42/ 41 2.6 2.9 84 119 21 40/ 39 61 124 58 38/ 37 49 49 89 1.4 1.6 1 - 1 36/ 35 2.5 5Ω 50 98 86 34/ 33 .3 1.2 1.9 1.1 42 42 69 99 32/ 31 40 40 63 128 41 93 18 30/ 29 18 3.0 28/ 27 11 41 102 76 26/ 25 16 30 24/ 23 22/ 21 65 20/ 19 41 21 18/ 17 16/_15 16 14/ 13 3 12/ 11 TOTAL 930 930 2.011.320.920.517.610.9 8.0 4.3 3.0 1.0 930 Element (X) No. Obs. Mean No. of Hours with Temperature Rei. Hum. 3441422 Dry Bulb 1990957 42185 45.4 9.130 9 30 93 Wet Bulb 93 930 1434131 14029 16.8 Dew Point

FORM 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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726625 ELLSHORTH AFR SD STATION HAME

PSYCHROMETRIC SUMMARY

																		PAGE		HOURS	(L, S, T
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(F)	0	1 . 2	3 . 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 . 20	21 - 22	23 - 24	25 . 26	27 - 28	29 - 30	* 31	D.B. W.B.	Dry Bulb	Wet Bulk	Dew I
92/ 91							İ		1	İ	i				1		•0	2	2		i !
90/89				ļ		ļ		ļ	 _	ļ	ļ					0	_41	7		ļ	<u> </u>
88/ 87															• 0	-0		3	3		}
16/ 85		 				ļ		<u> </u>		ļ	 				_1	1		13	13		ļ
34/ 83						Ì				1			•0	• 0	• 3	•1		29	29		İ
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2/ 71]	J					•0	- 1		, ,	. 5	• 1	j		}		113	113)
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64.65		 			D	1		5	8	. 7								178	178		ļ
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2/ 61				1	1	2	7	1.1	9		 					—— <u>-</u>		242	242	1	
0/ 59			ł	• 0	• 2	. 4	1.0	1.3	. 8	• 1		J	}		1	1	J	291	291	16	
8/ 57			0	2		8	9	1.5		1								323	323	56	ļ
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2/ 51		• 1	• 3	. 6	1.3	1.6	1.5	. 3	• 0			1		1			Ì	429	429	324	ĺ
0/ 49			- 7	- 9	2.0	1.6	- 9	1				-						469	469	419	ļ
8/ 47		• 2	1.1	1.8	2.0	1.1	• 6	•0				ŀ		1		ł	Ì	512	512	493	. 4
6/ 45		5	1.4	2.4	2.1	1.0				 	<u> </u>							566	566	606	1.
4/ 43	ا	• 5	1.5	2.2	1.3	. 6	•0											462	462	674	1.
2/ 41	1	8	1.9	1.8	1.1		0								\longrightarrow			453	453	_812	2;
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8/ 37		1.0	1.9	403		0							+					368	369	120	5.
6/ 35	• 1	1.3	1.6	1.0	• 2	}	1	J				- 1	i	}	- 1	j	}	310	310	586	71
4/ 33	3	1.1	1 a D		0							+						284	284	466	65
2/ 31	• 4	. 8	1.6	• 4		1	ļ	1			}	1		ļ	}	i	}	234	235	376	103
0/ 29		8		1												+		143	143	277	7.6
8/ 27	• 0	. 7	. 3		Į		- !	1		i	ļ		!	1		į	1	73	73	246	69
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I. Hum.						-+	<u> </u>	<u>·x</u> _				± 0 F		32 F	- 67 F			* 80 F	· · · · · · · · · · · · · · · · · · ·		
y Bulb												= U F		"	- 6/ 1	<u>-</u>	3 F	- 80 P	• 93 F		Total
et Bulb		··							\dashv										 		
w Point																			L		

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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PSYCHROMETRIC SUMMARY

726625	EL	LSHO	RTH.	AFB,	S D	IAME				7.3-1	32			YE	ARS					O	C T
																		PAGE	2	HOURS	LL (L. S. T.)
Temp.						WET	BULB	TEMPER	ATURE	DEPRE	SSION	F)					7	GTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8								23 - 24 2	25 - 26	27 - 28 2	9 - 30		B. W.R.	Dry Bulb	Wet Bulb	
24/ 23		• 1	• 0															7	7	40 8	
22/ 21 20/ 19		• 1	•0				 											11	11	6	355
18/ 17 16/ 15		1				 												5	5	11	
14/ 13							ļ												_ _		38
12/ 11						.	<u> </u>														21
8/ 7	1.5	9.8	16.7	15.7	13.4	10-3	9.1	7.2	5.4	3.5	2.9	1.7	. 9	8		.2	.1		7440		7438
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Element (X)		Σχi			£ X		¥	σχ		No. Obs					Mean No.	of Hours	with T	emperatu	1.		
Rel. Hum.		2350	5513		3010	Ω7	52.4	19.95	4	743	ta.	± 0 F	: 3	12 F	≥ 67 F	- 73	F	80 F	· 93 I	,	Total
Dry Bulb		1926	204		3673			12.32		744			5	0.9	76.3	32	4	11.5			744
Wet Bulb		1275			3029			7.5		74.1			1 -	1.2							744
Dew Point			0704		2244			6.96		74.1				9.4		T			1	1	744

USAFETAC FORM 0.26-3 (OL A. PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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726625 ELL SHORTH AFR SO STATION NAME

PSYCHROMETRIC SUMMARY)

																		PAGE		HOURS	L. S. T.1
Temp.						WET	BULB	TEMPER	RATURE	DEPR	ESSION (F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 . 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 26	29 - 3	0 + 31	D.B., W.B.	Dry Bulb	Wet Buib	Dew Po
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6/ 55						1	-2	1	<u></u>		<u> </u>	<u> </u>		ļ	ļ		J	4	4		ļ <u>.</u>
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4/.43		2		1.2	1.3	1.6	ļ				ļ				ļ		 	39	39	15	
2/ 41	[. 4	1.1	2.0	1.9	. 6	• 4	[1			58	58	25	
D/ 39			- 9	1.9	1.3	6	-1	ļ			 			 .	ļ	<u></u>	-}	43	43	29	ļ
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4/ 33		. 9	2.3	2.1	• 4									ĺ				52	52	74	2
2/ 31	2	1.7	4.7	2.8													 	84	84	67.	4
0/ 29		1.8	3.3	1 - 4					1					1				59	59	59	4
8/ 27	-7	1.8	3.8	6							-						 	61	61	92	5
6/ 25	- 4	2.2	3.8	. 8	-				j					1				65	65	84	5
4/ 23		1.6	-2.0	2										<u> </u>			 -	34	34	61	5
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I. Hum.										.,											

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Dry Bulb Wet Bulb

PSYCHROMETRIC SUMMARY

724425 ELLSHORTH AFR SO MONTH 0000-0200 -PAGE 2

Temp.						WET	BULB	TEM	PERA	TURE	DEPRE	SSION	(F)							TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 . 8	9 - 10	11 - 12	2 13 -	. 14 1	15 - 16	17 - 18	19 . 20	21 - 27	23 - 2	4 25 - 2	26 27	- 28 2	9 - 30	× 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew P
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18/-19				 	·}	 	 		\rightarrow		ļ	 	 	 						 	 	 	}
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24/-25					ļ	<u> </u>	<u> </u>				<u> </u>		<u> </u>		<u> </u>								ļ
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Dry Bulb		96	8524		275	92	30.7				<u>&</u>	00		-9	51.1	!							S
Wet Bulb		71	0878	<u> </u>	238	12	24.5		.48		9.	00		ــامـ	64.	2				L			
Dew Paint			0952	i	168		14.3					00		. 1	AS.	- 1		1		t .	1	ì	0

USAFETAC JUN 71 0-26-3 OL A. PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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PSYCHROMETRIC SUMMARY

726625 ELLSHORTH AFR SD STATION NAME

PAGE 1

Temp.								TEMPE										TOTAL		TOTAL	
(F)	0	1.2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 1:	2 13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 20	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Poil
66/ 65										• 1								1	1	1	
64/ 63		i			ļ	ļ	1		1	i		1							•	ŀ	i
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USAFETAC FORM O-26-3 (OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH USAFETAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC 724625 ELLSHORTH AFE SD STATION NAME PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL
1.2 3.4 5.6 7.8 9.10 11.12 13.14 15.16 17.18 19.20 21.22 23.24 25.26 27.28 29.30 231 D.B. W.B. Dry Su'b Wet Bulb Dew Point į; . 1 \$69-052 -8/ -9 3 3 2 1 • 2 -10/-11 -12/-13 €; -14/-15 -18/-19 1 -24/-25 TOTAL 5.229.132.215.8 8.2 5.0 3.6 . 2 900 900 900 200 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE Α ರ್. 0-26-3 Element (X) Mean No. of Hours with Temperature Rel. Hum. 62-415-138 29-811-785 25-8 9-573 ± 32 F = 67 F = 73 F = 80 F = 0 F 3713763 924377 900 Dry Bulb 26839 900 52.9 90 Wet Bulb 23192 90 680014 900

GLOBAL CLIMATOLOGY BRANCH PSYCHROMETRIC SUMMARY 2 USAFETAC AIR WEATHER SERVICE/MAC 726625 ELLSHORTH AFR SD STATION NAME MONTH 1. 0600-0800 HOURS (C. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B. W.B. Dry Bulb Wet Bulb Dew Paint 60/ 59 58/ 57 . 3 8 56/ 55 8 54/ 53 52/ 51 •4 50/ 49 48/ 47 1.0 . 3 27 27 27 46/ 45 27 () 44/ 43 28 28 14 50 42/ 41 50 26 40/ 39 44 44 35 2 1.6 38/ 37 46 36/ 35 .2 1.3 3.2 47 47 47 10 341 33 55 53 19 55 32/ 31 2.1 95 95 66 41 18 30/ 29 48 48 76 49 28/ 27 1.9 4.4 90 . 6 65 65 26/ 25 86 24/ 23 3.0 1.7 44 44 81 42 - 1 221 35 35 57 90 .2 3.0 20/ 19 1.6 44 35 95 24 24 81 18/ 17 41 16/ 15 1.2 21 21 34 70 14/ 13 89 12/ 11 .1 1.2 21 13 14 46 10/ 9 15 12 34 13 13 15 34 8/ 1.4 0-26-3 OL A 14 14 14 31 12 9 4/ . 8 9 11 2 2 0/ 2 - 1 12.

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Mean No. of Hours with Temperature

≥ 67 F ≥ 73 F

± 0 F

: 32 F

- 80 F

• 93 F

Rel. Hum.

Dry Bulb Wet Bulb Dew Point . 3

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC 726625 ELLSHORTH AFB SD STATION NAME

PSYCHROMETRIC SUMMARY

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Dew Point			4926		232		25.8			-	99			67-7					+		90
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USAFETAC FORM O-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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669-052

PSYCHROMETRIC SUMMARY

726625 ELLSWORTH AFR SD STATION NAME

1900-1100 HOURS (L. S. T.) PAGE 1

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USAFETAC LUN 71 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE CHESOFFT

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USAFETAC FORM 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION				AED 5	TATION N	AME								YE	ARS					MO	NTH
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#### PSYCHROMETRIC SUMMARY

ELLSWORTH AFR SD STATION NAME

PAGE 1

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HORM D. 26-3 -OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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### PSYCHROMETRIC SUMMARY

726625 ELLSHORTH AFB SD STATION NAME NO V MONTH 1200-1400 PAGE 2

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USAFETAC FORM 0-26-3 (OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# PSYCHROMETRIC SUMMARY

726625 ELL SHORTH AFR SD STATION NAME

1500-1700 HOURS (C. N. T.) PAGE 1

Temp.		<del></del>					BULB										JATCT		TOTAL	
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# PSYCHROMETRIC SUMMARY

726625 ELLSWORTH AFB SD STATION NAME

1 HOO+2000 HOURS (L. S. T.) PAGE 1

Temp.						WET	BULB	TEMPER	ATURE	DEPRE	SSION	F)						TOTAL	]	TOTAL	
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USAFETAC FORM 0-26-3 OL A. PREYIOUS EDITIONS OF THIS FORM ARE DESOLETE

# PSYCHROMETRIC SUMMARY

726625 ELLSHORTH AFR SO STATION HAME

1800-2000 HOURS (L. S. T.) PAGE 2

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Rel. Hum.												# 0 F		32 F	≥ 67		73 F	- 80 F	- 93 F	T <del>-</del>	lotol
Dry Bulb		328	7919	·	522	*1	58.1	16.7			00 +		_			-			+		
Wet Bulb			7284		300		33.3				00			2.7	<del></del>				<del> </del>		عــــــع
Dew Point			8940		253		28.2				00		_	39.6					<del></del>	<del></del>	9
Pom Foint		40	0954		170	50	18.9	9.1	1 2	<b>9</b> f	n <b>o</b>			14.6		1					9

FORM 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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### PSYCHROMETRIC SUMMARY

726625 ELLSHORTH AFR SO STATION NAME

2100-2300 HOURS (L. S. T.) PAGE 1

Temp.				<del>,</del>	····						SSION (							TOTAL	ļ	TOTAL	······
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4/ 63				l			Ĺ	1		l							<u> </u>	1	1	i	<u> </u>
2/ 61								•2	. 1	Ţ <b></b> _								3	3		
50/ 59				ļ				.2		1		- 1	- 1					3	3		ĺ
8/ 57						. 2	• 3	-1										7	7		
6/ 55						. 1		-1	.1			ļ	1					6	6	'	
4/ 53					1	. 3	.6	•2		1								10	10		
2/ 51			. 2	. 2		. 9	- 4	"-		Ì			1			İ		17	17	!	
0/ 49			• 1	. 1	1.3		• 2	.2		<del>                                     </del>							<del></del>	19	19	4	<del> </del>
8/ 47		. 1	••	- 4	. 4		. 7	••	1	1		ł	- 1	1				22	22	8	
6/ 45				.8	1.6	1.4	.6			1								39	39	8	
4/ 43		•	. 7	1 . 3	1.4	1.0	.6		ŀ	ł		1	l	ļ	!		ĺ	43	43	13	Į I
2/ 41			. 4	. 9	1.9	. 7	. 1	<del> </del>		1							-	36	36	34	
0/ 39		-	• •	, , ,	1 .7	• (	• 1			ļ		-			ĺ			49	49	30	
6/ 37			1.2	2.1	1.2	.7				<del> </del>								48	48	38	
6/ 35		• 1	1.5	201	1.2	• 1									- 1			53	53	59	
			2.0	1.0	104					<del> </del>	<del>                                     </del>							· · · · · · · · · · · · · · · · · · ·		7	
4/ 33		- 8	2.6	1.6	.7					1			ł	i	1	ł		50 87	50 87	61	
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8/ 17	1.0	2.0	. 4									]		J	}	ļ		31	31	36	(
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I. Hum.			]									± 0 F	1	32 F	r 67	F	73 F	. 80 F	# 93 F	, 1	otal
y Bulb													Ī								
et Bulb																Ţ		[			
w Point									<del></del>				1-								

USAFETAC FORM 0-26-3 (OL A. PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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8 GLOBAL CLIMATOLOGY BRANCH PSYCHROMETRIC SUMMARY 2 USAFETAC AIR WEATHER SERVICE/HAC 726625 ELL SHORTH AFR SD STATION NAME 73-82 2100-2300 HOURS (L, S. T.) PAGE 2 TOTAL TOTAL WET BULB TEMPERATURE DEPRESSION (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B. W.B. Dry Bulb Wer Bulb Dew Point (F) -2/ -3 -4/ -5 1 5 -6/ -7 . 1 -10/-11 -14/-15 -18/-19 2 -20/-21 TOTAL 899 899 899 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE ∢ ಠ 0.26-3 No. Obs. Meen No. of Hours with Temperature Element (X) Rel. Hum. = 0 F : 32 F 267 F 273 F 280 F 899 3508095 54305 31.611.978 Dry Bulb 49.2 90 1024931 28383 899 Wet Bulb 90 738026 24290 899 Dew Point 199

726625 ELLSHORTH AFR SD STATION NAME

# PSYCHROMETRIC SUMMARY

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								_									PAGI		HOURS	(L. S. T.
Temp.									ATURE						,		TOTAL		TOTAL	
(F)	0	1 . 2	3 - 4	5 · 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 2	9 . 30 > 3	1 D.B. W.B.	Dry Bulb	Wet Bulb	Dew P
76/ 75		]	j	]	}		ļ	j	}	]		• 0					1	1	}	!
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70/ 69			<u> </u>	ļ <u> </u>	ļ <u>.</u>					0	1	.2	1				26	26	<u> </u>	ļ
68/ 67		j					ļ	ł	.0	.1	.1	-1					29	29	}	
66/ 65		<u> </u>	<u> </u>	ļ <u>.</u>				0	3	-2	2	1					62	62	ļ	ļ
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62/ 61				ļ		1	1	3		_1	1						70	70	1	1
60/ 59					.0	.0	• 2	.6	.4	. 1	.0		Ì			i	96	96	1	
58/ 57					Ĺ	2	3	5	-4	1							112	112		1
56/ 55				• 0	.0	. 2	. 4	.6	.2	.0		i i	ļ				108	108	İ	1
54/ 53					1	5	.7	6	2			[[					142	142	14	Ĺ
52/ 51			•0	. 1	. 4	. 6	-8	•5	.1				i				179	179	33	
50/ 49			0	1	7	6	. 8	3	0								185	185	94	1
48/ 47		•0	.0	. 3	.9	.9	.9	•2	.0								241	241	122	j
46/ 45			1	- 6	9	1.2	-6	1					1				255	255	160	
44/ 43		.0	. 2	1.1	1.1	1.4	. 4	.0	-			1			_	1	299	299	215	
42/ 41		1	6	1.2	1.4	1.3	. 2										354	354	265	L
40/ 39		• 1	1.1	1.7	1.9	. 9	. 1						ļ				416	416	316	
38/ 37		3	1.3	1.8	1.4	- 5											394	394	389	
36/ 35		. 3	1.6	1.9	1.4	. 1		_					ĺ				378	378	479	11
34/ 33	1	1.0	1.8	2.1	8												414	414	529	2
32/ 31	.1	1.8	3.5	2.4	. 5	. 0							ĺ				600	600	573	3 (
30/ 29	1	1.7	2.6	1.1	1												410	410	584	31
28/ 27	. 2	1.8	2.8	. 5	. 0												382	382	648	39
26/ 25	2	1.9	2.3														362	362	589	54
24/ 23	. 1	1.3	.9	• 1													178	178	446	4
22/ 21	0	. 1	1.0														228	228	326	61
20/ 19	. 2	2.4	1.2	• 0	_												269	269	272	74
8/ 17		1.9	5	0													194	194	227	5
16/ 15	. 4	1.5	. 3														160	160	253	5
14/ 13		1.5					Ì					L					139	139	137	54
12/ 11	. 3	1.0	.0														92	93	145	44
10/ 0	2	1.1				i											99	99	100	1
lement (X)		Z X2			έχ		X	<b>₽</b> _A		No. Ob	١.				Mean No.	, of Hours w	ith Temperat			
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fet Bulb									·		<del></del> †							1		
ew Point																1		1		

73-82

USAFETAC FORM 0.26-3 (OL A). PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# PSYCHROMETRIC SUMMARY

Wet Bulb Dew Point		6709 320	9192		2066	52		10.36		719	28	5.		8.3							
Dry Bulb		993	259		2476		34.4	14.07	21	719	29	5.		3.9	9.		.6				_
Element (X)		25541	2265		4079	+	X	C ₁		No. Ob		10 F	1 1	2 F	Mean No ≥ 67 1		with Tempe		• 93 F		Ť
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													•		1		719	8		7198	
-24/-25 TOTAL	3.1	24.5	22.D	15.9	11.5	8.	5.8	4.0	2.2	1.0		.6	.2						7199		
-22/-23			<del></del>				<del> </del>										_	- +		·	+
-18/-19 -20/-21							-														+
-16/-17							1														+
-12/-13 -14/-15													}							[	I
-8/ -9 -10/-11	0.0	•0											_					6	6	6	1
-61 -7							<u> </u>											5	5		ļ.
-2/ -3 -4/ -5	0	.1					<del> </del>			<del> </del>								1	<u>13</u>	12 15	1
0/ -1	<u>1</u>	. 1					<del> </del>			<u> </u>								3	22 13	25 12	
4/ 3	• 1	. 6															4	7	47	51	
8/ 7 6/ 5	•1	. 8																5	65 41	86 65	
(F)	0	1 . 2	3 · 4	5 - 6	7 - 8								23 - 24 2	25 - 26	27 - 28	29 - 30		.B. D	iry Bulb	Wet Bulb	
Temp.						WE	T BULB	TEMPER	ATURE	DEPRE	SSION	F)					TOTA	L		HOURS	
																	, ,	GE	_		

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### PSYCHROMETRIC SUMMARY

726625 FLL SHORTH AFB SD STATION NAME

0000-0200 HOURS (L. S. T.) PAGE 1

Temp.							BULB '											TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 2	23 • 24	25 . 26	27 - 28	29 - 30	÷ 31	D.B. W.B.	Dry Bulb	Wet Bult	Dew Poi
4/ 63										. 1					[			1	1		
8/ 57								1	. 2						!			3	3		į
/ 55						• 1			. 1							1		2	2		T
1/ 53						1	3								li			5	_ 5	l	1
2/ 51					•1		.2	• 3	. 1						] ]			7	7		i
0/ 49				Ĺ	3	1	2												7.	1	l
8/ 47				. Z	• 2	. 6	. 2	.1				[			[	1		13	13	1	
6/ 45				. 8	9	2	2											19	19	2	
4/ 43		}	·	. 8	• 3		. 1				j	J	Ì		]	i		14	14	4	
2/ 41				5	- 5	. 2												12	12	12	ļ
0/ 39			. 3	1.6	1.2	. 2						ŀ	1			!		31	31	16	j
8/ 37		1	5	2.5	1.1	. 2									ļļ			41	41	24	<u> </u>
6/ 35	ļ	. 6	2.4	2.6	1.1	. 2									}	[		64	64	24	6
4/ 33	2	. 8	3.4	2.3	- 6	1									ļ			69	69	50	
2/ 31	• 1	1.1	4.5	4.1	٠2											1		93	93	62	
0/ 29	2	1.0	2.6	1.2											ļ			46	46	76	24
8/ 27	. 4	2.5	3.7	1.0							-	[			1			70	70	93	
6/ 25	4	2.2	2.8	4														54	54	9.3	
4/ 23	- 1	1.8	1.2	• 1														30	30	73	
21.21		2.7	2.4	1														48	48	54	62
0/ 19	• 9	3.8	2.5	į		ł					1							66	66	53	! -
8/ 17	4	3.3	8															42	42	55	64
6/ 15	• 2		- 1					1			i		Ì			1		23	23	50	
4/ 13	2	2.5	3												ļ			28	28	21	7.7
2/ 11	İ	3.0		ŀ			-						į					28	28	26	5.3
0/ 9	2	2.7																27	27	36	45
8/ 7	• 4	1.9	j		J		J	j	J	1	j					}		22	22	29	46
6/_5		1.3													+			12	12	17	19
4/ 3	• 3	1.1	Ì			[					1	1		1				13	13	17	39
2/ 1		1.6	—— <del>i</del>								<del></del>	<del></del>			<del>-</del>			15	15	10	27
0/ -1	• 4	• 3	i	1	ŀ	Ì				ļ			Ì	ı	1			7	7	12	23
2/3	3	-1																	4	7	17
4/ -5	• 2	_	j					İ		İ								2	2	2	13
6/ =7 ement (X)		Σ χ ²	-	l	×		Ÿ			No. Ob					Maga N	of Ho		Temperat			
Hum.		<u> </u>			^		-	X	+	,,,,,,	+	= 0 F	-	32 F	≥ 67 I		73 F	- 60 F	• 93 F		Total
Bulb						-+-						- v r	+-	J. F	- 07	-	, , ,		+		
1 Bulb						_										<del>-</del> †			+		
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USAFETAC FORM 0-26-3 (OL A; PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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### PSYCHROMETRIC SUMMARY

726625 ELLSHORTH AFB SD STATION NAME

0000-0200 HOURS IL. S. T.) PAGE 2

Temp.								TEMPER								_		TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	× 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Po
-8/ -9	• 3											1					i	3	3	5	
10/-11	• 5			1								1 1						ر ا	,	,	}
12/-13		l						-				1		1	† <u>†</u>			<del></del>	<del> </del>	i	
14/-15			l												ļ i				ĺ	ł	
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-16/-17	• 3									!				İ				3	3	3	
-18/-19			·				ļ	<del>  </del>		<del> </del>		<del>├──┤</del>		<del> </del> -			<del></del> -	ļ	<del> </del>		
-20/-21		1																		ļ	
-24/-25			<del> </del>					ļ				<del>                                     </del>		<del> </del>	<del>  </del>			<del> </del>	<del> </del>		ļ
TOTAL	6.1	36.7	27.4	18.1	6 . 6	2.5	1.3	-8	. 4	• 1		1 1		1				1	929		92
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Ref. Hum.							X .	<b>₹</b>					7	32 F			73 F	,			Tetal
			7793		584			14-10			29	5 0 F			, 67		/ ] [	# 80 F	• 93 F		
Dry Bulb			4433		240			12.30			29	2		64.2							9_
Wet Bulb			4554		207			10.4			29		2_	79.8							9.
Dew Point		74	9433		1.12	4.4	14.7	1.0.4	1 44		20	9.	7	4.10		i			1	ł	9

USAFETAC FORM 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# PSYCHROMETRIC SUMMARY

ELLSWORTH AFR SD STATION NAME

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PAGE 1

0300-0500

Temp.						WET	BULB	TEMPE	RATUR	E DEPRI	SSION	(F)					TOTAL	ī ·	TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 -	6 17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 29	- 30 - 31	D.B. W.B	Dry Bulb		
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USAFETAC FORM 0.26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

669.052

# PSYCHROMETRIC SUMMARY

726625	- EL	LSHO	R.T.H.	AEB ;	SD TATION N	AME				73-	82_				ARS					— - <del>0</del>	EC.
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Dew Point			32U3 3851		120			10.5			10	10.		91.8		<b>+</b> .		!	1		z.

### PSYCHROMETRIC SUMMARY

726625 ELLSWORTH AFR SD STATION NAME DEC

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ç.						WET	BULB	TEMPE	RATURE	DEPRE	ESSION (	F)						TOTAL		TOTAL	
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58/ 57		Ì			i		•	•2	. 1	, l					i i		3	3	ļ	:
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Dry Bulb						I												i		
Wet Bulb																I				
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GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC PSYCHROMETRIC SUMMARY 2 726625 ELL SHORTH AFR SD STATION NAME DEC DADD - 0800 Temp. (F) WET SULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 5 - 0 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point Į, -10/-11 10 -12/-13 3 659.052 -14/-15 3 3 4 -16/-17 -18/-19 -20/-21 -22/-23 2 -24/-25 -26/-27 3 1 9 10 TOTAL מצפ 6.838.929.514.1 930 930 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE ಠ 0-26-3 No. Ohe. Elem of (X) Mean No. of Hours with Temperature Rel Hum. 1 32 F 3959127 Dry Bulb 713359 2 10 7 7 24.812.308 930 69.2 91

930

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93

Wet Bulb

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## PSYCHROMETRIC SUMMARY

726625 ELLSHORTH AFR SD STATION NAME

0900-1100 HOURS (L. 5, T.) PAGE 1

Temp.				<del>,</del>	<del>,</del>					DEPRI					<del>,</del> -		·	TOTAL		TOTAL	
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w Point			-				+										+			- ;	

FORM O-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

### PSYCHROMETRIC SUMMARY

726625 ELL SHORTH AFR SD STATION NAME 1900-1100 HOURS IL, S. T. PAGE 2 Temp. WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 . 2 | 3 . 4 | 5 . 6 | 7 . 8 | 9 . 10 | 11 . 12 | 13 . 14 | 15 . 16 | 17 . 18 | 19 . 20 | 21 . 22 | 23 . 24 | 25 . 26 | 27 . 28 | 29 . 30 | 2 31 | D.B. W.B. Dry Bulb Wet Bulb Dew Point 5 3 10 -2/ -3 -6/ -7 8 -8/ -9 -10/-11 4 -12/-13 -14/-15 7 16/-17 -18/-19 -201-21 -22/-23 2 TOTAL ... 5.628.921.738.411.3 7.7 3.4 1.1 1.2 230 j 930 930 930 Element (X) Mean No. of Hours with Temperature Rel. Hum. 10F 132F 3470628 \$4688 58-816-559 930 Dry Bulb 997921 27645 29.713.770 930 3.0 52.6 93 Wet Bulb 698735 25-111-035 23337 930 69.3 93 15.910.772 90.4

ARE OBSOLETE THIS FORM ö PREVIOUS EDITIONS ŏ

0-25-3

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## PSYCHROMETRIC SUMMARY

726625 ELLSHORTH AFR SD STATION NAME 73-82 DEC 1200-1400 PAGE 1

Temp.						WET	BULE	TEMPER	ATURE	DEPRE	SSION (	F)			·		TOTAL		TOTAL	
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62/ 61						•1	.1	.8	. 4								16	16	i	
60/ 59		<u></u>				-1		1	1	-1	.2				<u> </u>		6	. 6	i	<u></u>
58/ 57		[					- 1	.5	.2	.2	-1	1					11	11	İ	
56/ 55		<u> </u>		Ĺ		2	- 4	3	2						ļ		11	1	İ	ļ. <u>.</u>
54/ 53					. 1	• 5	1.1	.6	.1	ļ	ŀ	j			]		23	23	] <b>i</b>	!
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50/ 49		ĺ			• 6			.2	.1	1					j		32	32	6	
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46/ 45			• 3	• 2		1.9	• 9	•1									46	46	15	
44/ 43				1.1	1.5	1.3	-4			ļ					<del> </del>		41	41	29	1
42/ 41		_	• 3	1.4	1.7	2.3	• 2	l l				j				1	55	55	31	1
40/ 39		2	1.0	1.5	444	1.2									+		59	59	47	
38/ 37		• 5	1.0	1.6	1.6	• 5		, l							1		49	49	60	1
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26/ 25	.2	1.6	2.0	• 2													38	38	75	48
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22/ 21	. 4	1.3	. 9									-1					24	24	37	63
20/ 19	2	3.1	1.2												<u> </u>		42	42	26	160
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Element (X)		$\frac{1}{\Sigma_{X}}$			ž _X		¥	i		No. Ob	<u> </u>				Muon No	of Hours wit	Temperate	10		1.2
Rel. Hum.		<u>- A</u>				-+-				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		10 F		32 F	€ 67 F	# 73 F	- 80 F	, 93 F	- 7	Total
Dry Bulb									-+-		+	- V F	<del></del>			+		+		
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Dew Point			-										-+		<del></del>	†	<del> </del>	<del> </del>		
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USAFETAC FORM 0.26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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### PSYCHROMETRIC SUMMARY

726625 ELL SHORTH AFB SD STATION NAME DEC PAGE 2 1200-1400 TOTAL WET BULB TEMPERATURE DEPRESSION (F) TOTAL (F) 1 . 2 3 . 4 5 . 6 7 . 8 9 . 10 11 . 12 13 . 14 15 . 16 17 . 18 19 . 20 21 . 22 23 . 24 25 . 26 27 . 28 29 . 30 . 31 D.B. W.B. Dry Buib Wet Bulb Dew Point 21 1 -2/ -3 7 7 5 8 • 5 -6/ -7 3 7 . 4 -8/ -9 -10/-11 5 -14/-15 17 -16/-17 -18/-19 -20/-21 TOTAL 930 930 930 930 Element (X) No. Obs. * k Mean No. of Hours with Temperature Rel. Hum. 10 F 1 32 F 930 3013642 50326 Dry Bulb 1257832 31456 630 41.6 Wet Bulb 838658 .93. 25670 27.911.051 930 59.1

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE ŏ

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0-26-3

GLOBAL CLIMATOLOGY BRANCH 2 PSYCHROMETRIC SUMMARY USAFETAC AIR WEATHER SERVICE/MAC 726625 FLLSHORTH AFR SD. STATION NAME 73-82 DEC ų, PAGE 1 1500-1700 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 31 D.B. W.B. Dry Bulb Wet Bulb Dew Poin 70/ 69 . 1 66/ 65 * 64/ 63 • 1 62/.61 5 60/ 59 .1 . 2 58/ 57 7 56/ 55 .2 • 1 . 1 8 8 54/ 53 52/ 51 . 6 .1 14 14 50/ 49 18 18 48/ 47 . 2 1.2 • 1 26 26 7 46/ 45 29 29 44/ 43 .5 1.3 1.1 1.6 . 1 .1 44 44 17 42/ 41 . 4 55 55 40/ 39 1.3 2.3 2.3 67 67 29 1.5 1.9 38/ 37 59_ 59 36/ 35 .9 1.3 2.3 1.4 58 9 58 86 34/ 33 2.0 1.3 54 54 75 32/ 31 .6 2.4 2.5 61 61 66 37 30/ 29 2.5 49 80 48 49 28/ 27 .2 2.4 3.1 56 56 77 43 26/ 25 40 40 77 61 24/ 23 .8 1.1 17 17 57 22/-39 39 47 64 20/ 19 . 5 2.2 32 32 32 99 32 32 33 89 16/ 15 .1 1.9 1.0 31 28 28 66 14/_13 2.3 23 23 22 56 ಠ 12/ 11 .1 2.3 22 22 30 56 10/ 9 8/ 1.2 48 11 15 11 61 12. 20 4/ 3 .2 1.1 12 12 26 6 Element (X) Mean No. of Hours with Temperature Rel. Hum. 10 F : 32 F Dry Bulb Cow Point

726625 ELLSHORTH AFB SD STATION NAME

### PSYCHROMETRIC SUMMARY

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1500-1700 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 . 2 3 . 4 5 . 6 7 - 8 9 . 10 11 . 12 13 . 14 15 . 16 17 . 18 19 . 20 21 . 22 23 . 24 25 . 26 27 . 28 29 . 30 x 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point -21 -3 12 7 3 -4/ -5 • 3 3 3 -6/-76 4 -8/ -9 3 2 2 6 -10/-11 5 -12/-13 -14/-15 -16/-17 3 -18/-19 -20/-21 3 929 929 929 929 Element (X) No. Obs. Mean No. of Hours with Temperature Rel. Hum. ≥ 67 F 57.916.313 31.013.447 10 F 1 32 F ≠ 73 F → 80 F • 93 F Total 53779 929 3360185 Dry Bulb 93. 1059581 28783 929 46.9 Wet Bulb 24263 _26.110.761 929 ...93 741155 64.1 Dew Point 920 89.7

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE ∢

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726625 ELLSHORTH AFR SD STATION NAME

### PSYCHROMETRIC SUMMARY

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FORM 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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### PSYCHROMETRIC SUMMARY

DEC

726625 ELLSHORTH AFR SD STATION NAME 1800-2000 WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 3 - 4 5 - 5 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 O.B. W.B. Dry Bulb Wer Bulb Dew Point -8/ -9 -10/-11 3 -12/-13 -14/-15 4 1 -16/-17 -15/-19 -20/-21 -22/-23 TOTAL 926 5.835.526.017.8 8.1 4.2 1.3 926 926 926 Element (X) * 07 F . 13 F Rei. Hum. : 0 F 1 32 F 62.714.883 3845490 54062 924 Dry Bulb 27.212.578 58.6 832670 25210 Wet Bulb 614430 21752 23.510.576 926 75.0 93 Dew Point

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE ۷ 0 ó 

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726625 ELLSHORTH AFR SD STATION NAME

### PSYCHROMETRIC SUMMARY

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FORM 10.26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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### PSYCHROMETRIC SUMMARY

2100-2300 HOURS (C. S. T.)

726625 ELL SHORTH AFB SD STATION NAME DEC

WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | a 31 | D.B. W.B. Dry Bulb Wet Bulb Dew Point -8/ -9 8 -10/-11 -12/-13 -14/-15 1 1 3 - 1 1 -18/-19 -20/-21 -22/-23 -24/-25 927 TOTAL 7.637.224.317.6 6.9 3.7 2.0 927 927 927

Element (X) Mean No. of Hours with Temperature Rel. Hum. -67 F -73 F -80 F • 93 F 5 0 F 1 32 F 3891043 54525 63-114-554 927. Dry Bulb 785294 0.64 93 26-112-828 24222 927 91 579408 20920 22.610.764 927 78.1

OBSOLETE OF THIS FORM ARE PREVIOUS EDITIONS ö 0.25.3

726625 ELLSHORTH AFR SD STATION NAME

### PSYCHROMETRIC SUMMARY

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FORM C 26.3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 0 26-3 OF

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC 726625 ELLSHORTH AFB SD STATION NAME

## PSYCHROMETRIC SUMMARY

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USAFETAC FORM 0.26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

726625 ELLSHORTH AFR SD. STATION NAME

### PSYCHROMETRIC SUMMARY

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ew Point																<u>i</u>	!		<u> </u>		

USAFETAC FORM 0.26.3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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726625 ELLSHORTH AFB SO STATION NAME

## PSYCHROMETRIC SUMMARY

Temp.		<del></del>		<del></del> -		WET	BULB	TEMPE	RATU	RE DEP	RESSION	(F)		,	· · · ·			TOTAL	f	TOTAL
(F)	0	1 - 2	3 - 4	5 . 6	7 . 8	9 - 10	11 - 12	13 - 1	<u>4   15 - </u>	16 17 - 1	8 19 - 20	21 . 22	23 - 24	25 - 2	6 27 - 28	29 - 3	10, • 31	D.B. W.B.	Dry Bulb	Wet But
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-241-25								<u> </u>	٠		<u>.i.</u> ,	<u> </u>			<del></del>		<del></del>	<u> </u>		
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Rel. Hum.								<b></b>				= 0 F		32 F	+ 67	F	• 73 F	- 80 F	93 1	F
Dry Bulb								L							<del></del>			ļ		

1 GLOBAL CLIMATOLOGY BRANCH PSYCHROMETRIC SUMMARY USAFETAC AIR WEATHER SERVICE/MAC 726625 CLLSWORTH AFR SD STATION NAME 73-82 ALL .... PAGE 3 HOERS ... S. T. WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 31 D.B. W.B. Dry Bulb Wet Bulh Dew Poin -26/-27 -28/-29 2.0 -30/-31 7 -32/-33 -34/-35 14 -36/-37 2.619.017.314.310.9 8.7 7.0 5.6 4.3 3.1 2.4 1.6 1.1 .8 • 5 .3 .4! 87606 87606 87606 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE ∢ ಠ 0 26-3 50.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 No. Obs. Mean No. of Hours with Temperature Element (X) - 67 F - 73 F - 80 F Rel. Hum. 87606 Dry Bulb 237606939 4138417 47.221.932 87622 177.82256.81810.81139.8 570.4 75.6 8760 Wet Bulb 213.72985.4 217.3 12.2 482.54748.5 26.0 .7

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#### MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

726625 ELLSWORTH AFB SD

73-82

STATION STATION NAME YEARS

IRS LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
	MEAN	17.6		29.4	39.5		58.C	66.1	63.0	54.6	43.7		25.9	
-0 <b>-02</b>	5 D	16.0051							6.203	8.398	8.839	11.679	12.365	18.875
	TOTAL OBS.	930	845	930	900	930	899	936	928	900	930	900	929	17951
	MEAN	17.2	22.0	28.2	37.8	46.8	56.1	63.8	60.7	52.6	42.5	29.8	25.1	40.3
3-05	5 D	16.1771	3.995	10.313	8.422	7.175	7.142	5.745	5.968	8.148	8 . 825	11.745	12.432	18.293
. 7	101AL 085	930	846	930	900	930	930	929	930	900	930	900	930	17955
	MEAN	17.1	22.0	29.4	41.1	52.3	82.5	69.6	65.5	56.4	44.1	30.0	24.8	43.0
6-08	5 D	16.3451												20.472
	101AL 085	930	846	929	900	930	900	930	930	900	930	900	930	10955
		21.3	28.0	36.9	48.7	59.5	70.0	78-4	75.1	67.2	54-0	38.0	29.7	50.7
' c = 1 1		17.5641												
	TOTAL OBS	930	845	930	900	930	900	930	930	900	930	900	930	
	MEAN	25.9	32.2	41.4	53.3	63.3	74.2	83.2	80.2	72.3	59.0	47.4	33.8	55,2
12-14		17.8141												23.227
	OTAL OBS	930	846	930	899	930	899	930	930	900	930	900	930	
•	- MEAN	24.0	31.3	41.6	53.8	63.7	74.3	83.6	80.6	72.4	57.4	39.4	31.0	54.5
15-17		16.9631												23.744
Ţ	TOTAL OBS	933	846	930	900	930	900	929	928	900	930	900	929	10952
	MEAN	19.7	25.9	35.2	47.8	57.7	68.5	77.2	73.6	63.8	49.0	33.3	27.2	48.4
15-20		15.8281											12.578	
	OTAL OBS	933	846	930	899	930	900	930	929	900	930	900	926	10950
	MEAN	18.3	23.9	31.6	42.4	51.7	61.7	69.7	66.3	57.4	45.4	¥1.6	26.1	43.9
11-23		15.7351												
	OTAL OBS	930	846	930	900:	929	900	930	929	900	930	899	927	10950
	MEAN	20.2	26.0	34.2	45.5	55.5	65.7	73.0	70.6	62.1	49.4	34.4	28.0	47.2
ALL		16.8581												
HOURS	, , ,	7440			7198			7438		7200	7440	7199	7431	87622

USAFETAC FORM 0 89 5 (OLA)

#### MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

ELLSWORTH AFB SD 726625

73-82

TEARS " 51 A 1 ON STATION NAME HRS LST ILIL SEP FEB IUN AUG 14.8 19.5 25.9 35.0 43.9 52.0 58.0 55.3 47.0 37.6 26.5 22.4 36.6 14.09412.192 8.608 7.481 6.861 5.881 4.525 5.011 6.559 6.381 9.48410.400 10-02 s p 16.532 101AL OBS 933 845 930 10948 899 930 899 930 928 900 928 900 929 MEAN 14.5 18.9 24.9 33.8 42.6 50.8 56.7 54.0 45.8 36.7 23.0 21.0 13-05 5.0 14.18912.210 8.689 7.331 6.882 5.901 4.630 5.085 6.554 6.381 9.57310.517 16.309 930 TOTAL CBS 930 846 930 900 930 900 930 MEAN 14.3 18.9 25.8 35.2 46.1 54.7 59.9 56.7 48.1 37.8 25.8 21.5 16-08 (p. 14-33912-062 9-155 7-705 6-522 5-471 4-594 5-008 6-640 6-643 9-69810-499 17.492 899 930 846 929 900 930 900 930 930 900 930 10TAL OBS MEAN 18.0 23.3 30.7 40.5 49.7 58.0 63.3 60.8 53.2 43.4 31.1 25.1 9-11 5.0 14.74112.897 9.670 8.093 6.851 5.952 4.713 5.146 6.519 7.09810.79511.035 17.583 TOTAL OBS: 927 845 930 900 930 900 930 900 930 900 930 21.1 26.1 33.5 42.7 51.4 59.5 64.6 62.2 55.1 45.8 33.5 27.9 MEAN 21.1 26.1 33.5 42.7 51.4 59.5 64.6 62.2 55.1 45.8 33.5 27.9 12-14 5 D 14.42212.713 9.691 8.251 6.853 5.913 4.427 4.892 6.505 7.22610.77111.051 17.045 TOTAL OBS 930 846 930 899 930 899 930 930 900 930 900 19.8 25.7 33.6 42.9 51.4 59.4 64.5 62.1 54.8 44.9 31.8 26.1 MEAN 19.8 25.7 33.6 42.9 51.4 59.4 64.5 62.1 54.8 44.9 31.8 26.1 15-17 5 D 14.09712.582 9.492 8.182 6.638 5.940 4.119 4.699 6.472 7.11910.42410.761 17.306 900 930 900 930 900 101AL 085 927 844 930 900 929 928 10947 16.6 22.1 29.9 40.0 49.0 57.6 62.6 59.7 51.2 40.8 28.2 MEAN 23.5 40.2

18-20 50 13.74412.150 8.819 7.781 6.665 6.111 4.356 4.910 6.519 6.577 9.62210.576; 17.527

900

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16.8 21.9 29.0 38.5 47.5 55.8 61.2 58.4 50.4 40.7 28.7

TOTAL OBS 7432 6763 7439 7197 7439 7198 7438 7433 7200 7438 7198 7431

15.5 20.5 27.6 37.0 45.9 54.3 59.7 36.7 48.3 38.7 27.0 22.6

14.37812.656 9.637 8.439 7.438 6.663 5.281 5.786 7.360 7.51010.38610.914

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10949

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929

21-23 5 D 13.79112.083 8.446 7.423 6.638 5.844 4.442 4.967 6.488 6.424 9.54010.764

899

900

USAFETAC FORM D 89.5 (OLA)

HOURS

5 D

930

930

TOTAL OES 928 845

TOTAL 085 930 846

### MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

726625 ELLSWORTH AFB SD

73-87

120023		E 3 M O K I II	A1 D 3	U			, 5 - 5	~						
51A1-ON			STAT	ON NAME						TEARS	,			
HR5 -L 5 T	·	; JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	ANNUAL
	MEAN	6.1	11.2	18.9	28.6	38.6	46.9	52.1	49.1	39.3	29.7	18.3	14.3	29.
0−42	ึ่ 5 อ	14.935	12.942	9.987	8.543	8.516	6 . 652	6.678	7.063	8.103	6.897	9.4541	0.414	. 17.782
	TOTAL OBS	930	845	930	899	930	899	930	928	900	928	900	929	19948
											•		5 12 12 12 1	*
	MEAN											17.7		
∵ 5-05	5 0	15.0501			_									17.77
	TOTAL OBS	930	846	930	900	930	905	929	930	900	930	900	930	10959
		" " " " " " " " " " " " " " " " " " " "	10.5	13.7	70.4	70.7	48.4	<b>57.</b> Y	50.1	40.1	79.7	17.6	17.5	29.6
-6 <b>-</b> 68	MEAN	15.0771												18.48
	, -		846	929	900	930						899	930	10954
	TOTALOBS	• •					700	730	730	700	730			* <u></u>
	MEAN	8.0	13.1	23.7	30.6	43.5	49.1	53.7	50.9	41.2	31.4	20.0	15.9	31.4
. 9-11	5 0	14.8801	2.866	8.994	8.531	8.704	7.505	6.819	7.552	8.076	6.682	9.4121	0.772	17.85
	TOTAL OBS	927	845	930	900	930:	900	930	930	900	930	900	930	1095
														:
	MEAN											20.2		31.6
12-14	S D	14.1861	2.030	8.729	8.495	8.595	7.536	6.905	7.625	8.225	7.090	9.1551	0.539	17.061
	TOTAL OBS	930	846	930	899	930	899	930	930	900	930	900	930	10954
							E				F			<b></b>
<u></u>	MEAN											20.0		
15-17		14,1691												17.018
	TOTAL OBS	927	844	930	900	930	900	929	928	900	930	900	929	10947
	MEAN	7.8	13.2	20.8	30 - 3	40.7	49.7	53.1	47.7	30.6	30.8	18.9	15.4	30.5
18-20														17.771
_	TOTAL OBS		845	930	899	930	900	930		900	930	900	926	10947
			************											
	MEAN													30.2
.1-23	\$ D -													17.805
	TOTAL OBS	930	846	930	900.	929	900	930	928	900	930	899	927	17949
	MEAN	7-4	12.5	30.0	30 . T	70.7	48.1	52.7	49.7	70.0	10-5	18.9	15.2	30.5
ALL									_					17.728
HOURS	1													87676
	TOTAL OBS	1432	0103	1737	1471	1457	1710	1470	1433	1400	. 1938	1170	1427	( 6/DUD

USAFETAC FORM 0 89 5 (OLA)

### RELATIVE HUMIDITY

786625 ELLSWORTH AFB SC 73-82 JAN STATION NAME PERIOD MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OSSERVATIONS)

	HOURS	,		PERCENTA	SE FREQUENC	Y OF RELATIV	E HUMIDITY C	REATER THAN			MEAN	TOTAL
HTMOM	(L.S.T.)	10%	20%	30°-	40°	50%	60%	70°•	80%	90%	HUMIDITY	NO OF OBS.
JAN	33-02	100.0	100.0	99.5	95.3	32.3	52.3	23.7	4 . 7	6.	61.4	930
	J3-U5	130.3	100.0	99.0	94.9	78.9	50.6	23.1	5.3	1.1	6 . 3	930
	36-28	130.0	102.3	99.5	94.5	77.2	52.2	21.8	4.4	•5	61.5	97.
	39-11	100.0	180.0	96.4	87.9	66.3	42.0	17.7	2 • 9	. 3	56.5	927
	12-14	130.0	99.2	93.4	81.5	58.4	34.3	11.8	3.0	. 3	53.9	930
	15-17	100.0	99.7	95.9	88.0	68.0	37.6	13.2	3.5	• 5	56.5	927
	18-27	160.0	100.0	99.7	94.4	32.5	51.4	21.1	3.7	• 5	6i • 7	9 <b>?</b> 8
	21-23	100.0	170.0	90.5	95.6	83.7	53.7	20.8	4.3	.9	61.4	937
10	FALS	140.0	99.9	98.3	21.5	74.7	46.8	19.1	4.1	.6	59 <b>.</b> .;	7 (32

USAFETAC #544 0-87-5 (OL A)

GLOSAL CLIMATOLDDY BRANCH BRAFETAC AL WEATHER SERVICE/MAC

### **RELATIVE HUMIDITY**

17-625 CLLSWORTH AFE SD STATION HAME

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAC	SE FREQUENC	Y OF RELATIV	E HUMIDITY G	REATER THAN			MEAN	TOTAL
MONTH	(L.S.T.)	10°6	20%	30%	40%	50°∘	60%	70"	80°.	90*	RELATIVE HUMIDITY	NO OF
FEB	J0-02	100.0	99.9	98•3	93.0	31.9	55.7	31.5	10.1	7.7	67.8	<b>64</b> 5
	J3-05	130.0	79.9	97.8	95.3	79.7	56.9	31.3	9.2	3.2	63.1	546
<del>.</del>	56-08	100.7	79.7	99.6	94.3	79.3	54.6	29.7	8.4	2.4	62.5	046
	76-11	10.2	79.1	94.3	40.5	61.2	42.0	21.2	7.2	1.3	56.2	d <b>4</b> 5
	12-14	1.0.0	97.8	86.4	73.4	53.1	33.6	13.4	3 • 3	1.1	51.5	346
	15-17	1.0.9	98.6	89.8	74.6	56.2	36.0	17.5	3.0	• 6	53.3	844
	13-20	130.9	100.0	97.9	72.3	74.3	48.5	25.7	4,7	1.1	63.2	<b>34</b> 5
	21-23	100.0	100.3	96.8	74.8	79.9	52.5	28.3	10.5	2.1	62.2	<b>4</b> ئ
TO	TALS	120.0	39.4	95.2	87.1	70.7	47.5	24.8	7.3	1.8	99.2	6763

USAFETAC FORM 0-87-5 (OL A)

1

CLOPAL CLIMATOLOGY BRANCH UUAFETAC AII WEATHER SERVICE/MAC

RELATIVE HUMIDITY

720625

ELLSWORTH AFB SD

73-82

414

STATION

STATION NAME

PERIOD

MONTH

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	· HOURS	1		PERCENTAC	E FREQUENC	Y OF RELATIV	E HUMIDITY C	REATER THAN	ı		MEAN	TOTAL
MONTH	(L.S.T.)	10°•	20°•	30%	40°.	50°∘	60°∘	70 %	80%	90°	RELATIVE	NO OF OBS.
MAG	Jaul = 2.2	130.0	X nd • U	98.9	93.0	83.9	67.1	42.6	20.3	4.2	6ú.6	332
	J3-05	130.0	99.3	99.2	95.2	85.6	69.7	45.7	20.9	4 • 1	67.6	930
	J6-08	100.0	99•8	95.6	93.4	34.3	65.7	41.3	17.8	5.1	56.3	129
	39-11	100.0	98.6	88.3	76.6	61.4	41.2	23.3	9.6	1.4	55.7	930
	12-14	100.0	74.7	79.7	64.1	47.0	52.6	17.2	7.4	•6	40,3	935
	15-17	100.0	74.4	78.4	60.8	44.3	31.0	17.3	6.9	1.5	47.1	93
	18-25	100.0	99.5	94.7	30.5	66.2	46.7	29.9	12.5	2.7	58.7	y <b>3</b> T
	21-23	130.5	100.0	98.9	91.4	77.9	50.8	36.8	17.7	3.9	64.2	930
			<b>-</b>									
	TALS	100.0	98.4	91.9	32.3	69.1	51.6	31.8	14.2	2.7	5 × . 7	7435

USAFETAC FORM 0-87-5 (OL A)

.

SE 3AE CLIMATOLOGY BRANCH UNAFETAC AI: WEATHER SERVICE/MAC

RELATIVE HUMIDITY

726525 STATION

ELLSWORTH AFB SO

73-82

PERIOD

40%

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAC	GE FREQUENC	Y OF RELATIV	E HUMIDITY G	REATER THAN			MEAN	TOTAL
MONTH	(L.\$.T.)	10%	20°•	30%	40%	50%	60%	70°s	80%	90	RELATIVE	NO OF OBS.
HP:	33-02	150.0	170.0	99.4	94.3	aC.5	65.1	45.7	23.8	5.7	67.	895
	L3+35	1un.a	100.0	99.8	96.3	86.9	71.2	47.7	25.1	b • 2	45.9	<b>7</b> 0 3
!	J6=118	146.0	100.0	99.8	95.5	77.7	62.8	40.7	21.3	5.8	65.7	911(,
	39-11	130.5	08.3	87.2	68.9	52.1	36.4	21.7	12.6	7.9	53.5	97:,
	12-14	130.0	73.8	72.9	53.6	39.2	25.9	13.3	8.3	1.7	46.2	გი 9
	15-17	100.0	92.9	70.4	50.9	37.1	24.8	14.	8.4	1.4	45.7	275
	13-20	100.0	98.0	87.3	70.6	53.1	35.4	24.1	13.5	2.7	54.5	300
	21-23	1.00.7	100.3	98.1	a <b>8.9</b>	72.6	55.4	37.7	18.6	5.0	63.5	3,70
	† · · -										-	
gen, <b>etalen residen</b> a eta lear												
10	TALS	130.0	77.8	87.5	77.1	62.7	47.3	37.6	15.4	1.7	50.1	7197

USAFETAC FORM U-87-5 (OL A)

### RELATIVE HUMIDITY

726625 LLLSWORTH AFB SD 73-82 MAY
STATION STATION NAME PERIOD MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAC	SE FREQUENC	Y OF RELATIV	E HUMIDITY G	REATER THAN			MEAN	TOTAL
MONTH	(L S T.)	10%	20°-	30%	40°•	50°•	60∘.	70%	80°e	90	- RELATIVE HUMIDITY	NO OF OBS.
FAY	]_0 <b>-</b> 02	lun•c	178.8	99.8	96.3	88.5	75.0	47.5	25.6	4.1	67.3	) <b>*</b> ;
	J-35	130.0	170.0	99.7	28.3	93.0	77.2	51.1	29.0	? . 8	71.8	93.1
	L6=08	100.0	59.9	98.5	91.9	76.6	50.9	38.0	20.4	7.3	34.4	93.
	3 <b>-11</b>	1.0.0	79.4	91.7	67.6	46.7	31.5	19.2	9.9	3.2	52.6	930
	12-14	37.7	97.3	62.1	54.3	34.8	23.5	15.2	5.7	1.3	46.9	933
	15-17	100.0	97.3	76.5	5.1.2	35.4	24.2	15.3	5.9	1.9	46.02	937
	13-50	1.0.0	99.2	93.1	74.5	55.3	41.2	26.7	12.9	3.8	56 • .'	, 3
	21-23	130.0	99.9	93.6	92.6	79.1	60.7	41.3	20.1	6.7	65.6	;79
: 	ļ											
ļ												
10	TALS	1.0.7	96.1	92.1	73.3	63.7	48.2	31.8	16.2	5.2	59.2	7439

USAFETAC NORM 0-87-5 (OL A)

### RELATIVE HUMIDITY

721625

ELESWORTH AFB SD

73-82

JUA

STATION

STATION NAME

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS	i		PERCENTAC	E FREQUENC	Y OF RELATIV	E HUMIDITY G	REATER THAN			MEAN RELATIVE	TOTAL
нтиом	(L.S.T.)	10°∘	20%	30%	40%	50%	60%	70°°	80%	90%	HUMIDITY	NO. OF OBS.
NUL	5 <b>3-</b> 32	100.0	170.0	99.4	96.2	35.8	60.6	49.5	22.1	4.7	50.4	309
	J3-05	130.0	99.9	99.5	97.9	90.7	76.0	54.4	24.9	4.3	76	933
	J6+08	130.0	79.8	97.2	93.2	77.6	55.1	30.6	9.9	1.9	62.	301
	59-11	100.0	78.1	90.1	73.7	45.2	21.4	10.3	4.6	• 7	40.9	900
	12-14	100.0	75.7	81.8	54.4	30.1	11.6	5.3	1.9	• 6	43.7	899
	15-17	100.0	74.3	79.8	53.C	37.1	15.1	6.9	2.3	.5	43.3	922
	<u>-3-20</u>	100.0	98.9	92.3	77.7	57.1	33.7	17.2	5 • 6	. 8	53.9	905
	21-23	130.0	99.7	78.9	90.3	78.7	59.6	37.3	14.0	2.4	63.7	9 10
<u>-</u> -	ļ											··
	TALS	100.7	98.3	92.4	78.8	61.9	42.6	26.5	10.7	2.0	57.0	7198

USAFETAC FORM 0-87-5 (OL A)

#### **RELATIVE HUMIDITY**

72e625 ELLSWORTH AFB SD

STATION NAME

JUL MONTH

STATION

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

PERIOD

	HOURS			PERCENTAC	SE FREQUENC	Y OF RELATIV	E HUMIDITY G	REATER THAN	· · · · · · · · · · · · · · · · · · ·		MEAN	TOTAL
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70°•	80°e	90%	- RELATIVE HUMIDITY	NO OF
JUL	J0-G2	100.0	79.8	97.7	88.5	74.4	55.3	33.4	14.4	5.4	67.8	230
	33~05	100.0	100.0	98.4	93.1	81.1	63.5	39.6	19.5	6.7	66.1	929
	J6-08	140.0	99.9	96.7	35.8	65.1	45.4	24.1	10.8	4.3	58.7	93
	37-11	130.0	96.6	79.6	56.9	32.8	16.7	8.1	3 • 2	1.2	45.2	93,
	12-14	100.0	89.6	65.1	38.8	18.3	9.6	5.3	2.0	• 6	38.5	930
	15-17	130.0	87.6	61.2	34.7	17.1	10.3	5.4	1.7	1.0	37.5	929
	18-20	100.0	96.3	80.9	53.5	35.8	20.4	11.2	4 • 1	1.4	46.5	930
	21-23	100.0	99.9	94.1	82.5	62.7	44.0	22.5	9.9	2.7	57.5	930
TO!	TALS	100.0	96.2	84.2	67.4	48.4	32.9	18.7	3.2	2.9	51.6	7438

USAFETAC PORM 0-87-5 (OL A)

RELATIVE HUMIDITY

726625 ELLSWORTH AFB SD

73-82

AUG

STATION NAME

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAG	E FREQUENC	Y OF RELATIVE	E HUMIDITY G	REATER THAN			MEAN	TOTAL
MONTH	(L S.T.)	10%	20%	30%	40%	50%	60%	70°•	80°•	90%	RELATIVE HUMIDITY	NO OF ONS.
<b>1</b> UG	70-05	100.0	100.0	98.5	91.5	74.2	53.9	31.6	12.7	4.8	62.6	328
	03-05	100.0	100.0	99.1	94.7	81.6	62.5	43.1	16.9	7.0	55.1	930
	06-08	130.3	99.6	96.7	86.6	69.6	46.9	26.9	11.6	4.4	59.9	931
	09-11	130.0	95.5	81.3	59.2	35.2	18.9	6.7	2 • 5	. 9	45.6	93
	12-14	130.0	88.5	65.9	37.4	19.9	7.6	3.0	1.3	. 3	38.7	930
	15-17	150.0	86.5	61.0	34.8	20.4	7.8	3.7	1.6	•4	37.1	928
	18-20	130.0	96.1	83.0	56.4	36.7	21.4	9.3	3.3	.8	46.0	929
	21-23	130.0	99.9	95.6	82.1	59.9	40.4	21.1	10.1	2.7	56.9	928
T/1	TALS	100.0	95.7	84.8	67.8	49.6	32.4	17.8	7.5	2.7	51.5	7433

USAFETAC FORM 0-87-5 (OL A)

#### RELATIVE HUMIDITY

726625

LLLSWORTH AFB SD

73-82

SEP

STATION

STATION NAME

PERIOD

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS	1		PERCENTAC	SE FREQUENC	Y OF RELATIV	E HUMIDITY G	REATER THAN	1		MEAN	TOTAL
MONTH	(L S.T.)	10%	20%	30%	40%	50%	60%	70°•	80*。	90%	RELATIVE	NO OF OSS.
SEP	GO-02	100.0	100.0	96.6	85.8	65.4	45.8	25.4	8.1	2.8	58.7	900
	03-05	190.0	59.9	98.1	88.9	72.9	51.4	31.4	11.6	3.7	61.6	900
	06-08	100.0	99.3	93.7	80.6	63.1	41.3	24.7	10.6	4.1	57.4	900
	⊍9 <b>-11</b>	100.0	91.3	71.0	47.1	29.1	16.7	9.6	4.0	1.0	42.7	900
	12-14	100.0	81.2	55.3	33.1	15.0	8 • 8	5.3	2.2	. 4	35.6	900
	15-17	130.0	78.9	52.1	29.2	15.4	8.7	5.4	1.8	• 3	34.5	900
	18-20	100.0	95.0	73.9	52.6	33.3	19.1	8.9	3 • 6	1.8	44.5	900
	21-23	100.0	99.7	93.2	73.6	54.1	35.8	17.8	6 • 2	2.2	54.0	900
								<u> </u>				
10	TALS	130.0	93.2	79.2	61.4	43.5	28.5	16.1	6.0	2.7	46.6	7200

USAFETAC PORM 0-87-5 (OL A)

### RELATIVE HUMIDITY

726625 ELLSWORTH AFB SD 73-82 OCT STATION STATION NAME

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS	!		PERCENTAG	E FREQUENC	Y OF RELATIVE	E HUMIDITY G	REATER THAN			MEAN	TOTAL
MONTH	(L S.T.)	10%	20%	30%	40%	50%	60°	70%	80%	90°	HUMIDITY	NO. OF OBS.
oct	00-02	100.0	100.0	96.8	85.5	71.0	49.5	27.9	10.7	4.0	6:•1	926
	ü3−05	130.0	99.9	96.6	88.1	73.5	52.0	30.8	12.4	3.3	61.3	930
	36≁⊓8	1,0.0	99.4	95.8	85.1	69.2	48.2	28.0	11.8	3.7	59.8	930
	U9-11	100.0	95.2	75.6	53.0	36.2	23.5	14.0	7.1	2.5	46.3	930
	12-14	100.0	87.2	59.7	37.8	25.7	16.0	9.8	5 . 2	1.9	40.0	930
	15-17	100.0	89.0	65.5	42.3	27.4	17.8	11.3	5 • 2	1.9	41.7	930
	18-20	100.0	98.5	88.2	73.6	51.4	32.8	19.4	8 • 1	3.7	53.3	93"
	21-23	130.0	100.0	94.7	82.8	64.5	43.4	25.4	11.5	4.2	58.3	93.1
	1											
ţ0'	TALS	100.0	96.2	84.1	68.2	52.4	35.4	20.8	9 • C	3 • 2	52.6	7438

USAFETAC FORM 0-87-5 (OL A)

### RELATIVE HUMIDITY

725625	ELLSWORTH AFB SD	73-82	NOV
STATION	STATION NAME	MRIOD	MONTH

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS	i .		PERCENTAC	GE FREGUENC	Y OF RELATIV	E HUMIDITY C	REATER THAN	t		MEAN	TOTAL
MONTH	(L S.T.)	10%	20%	30%	40%	50%	60%	70°∙	80%	90%	RELATIVE HUMIDITY	NO. OF OSS.
NOV	ua-02	130.0	100.0	98.0	90.6	77.0	52.3	30.6	12.7	2.0	62.7	970
	u3-05	130.0	100.0	97.7	91.7	77.7	55.0	30.2	13.6	1.9	62.4	מחפ
	06-08	100.0	100.0	98.2	90.7	75.9	52.2	29.8	14.3	1.6	61.9	899
	69-11	100.0	97.1	87.1	66.7	50.6	34.7	21.8	10.4	1.4	52.4	900
	12-14	100.0	92.8	74.0	50.6	37.0	26.9	16.4	8 • D	1.0	46.1	900
	15-17	100.0	96.7	81.9	61.0	43.2	31.3	19.3	8.4	•6	5d•1	sna
	18-20	130.9	99.8	95.6	85.3	63.8	42.6	26.9	11.0	1.1	58.1	¥110
	21-23	100.0	100.0	97.8	88.0	71.1	49.3	28.3	12.6	2.2	6U•4	879
τo	TALS	100.0	98.3	91.3	78.1	62.0	43.0	25.4	11.4	1.5	56.7	7198

USAFETAC 0-87-5 (QL A)

### RELATIVE HUMIDITY

725625

ELLSWORTH AFB SD

73-82

OFC

STATION

STATION NAME

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS (L.S.T.)	:	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN											
MONTH		10%	20%	30%	40%	50%	60%	70°•	80%	90%	RELATIVE HUMIDITY	NO. OF OBS.		
DEC	20-02	100.0	99.3	98.3	94.1	82.8	58.3	28.0	11.2	2.5	63•C	929		
	u3+05	130.0	79.9	98.6	94.C	82.5	59.2	30.3	11.9	2.7	63.7	930		
	J6-D8	100.0	100.0	98.6	94.2	81.8	59∙₽	30.9	11.9	3.3	63.6	930		
	39-11	100.0	99.0	96.3	86.3	67.5	45.8	22.9	9.7	3.3	58.8	930		
	12-14	100.0	98.0	91.6	75.7	56.0	37.7	15.7	7.6	2.5	54.1	930		
	15-17	100.0	99.J	95.9	84.4	65.3	45.6	21.2	9.4	2.7	57.9	929		
	18-20	100.0	100.0	98.5	92.4	79.4	55 € 0	29.8	12.4	3.2	62.7	926		
	21-23	100.0	99.9	98.2	93.1	82.2	56.7	30.0	12.6	2.8	63.1	927		
то	TALS	130.9	99.5	97.0	89.3	74.7	52.2	26.1	10.8	2.9	60.9	7431		

USAFETAC PORM 0-87-5 (OL A)

#### RELATIVE HUMIDITY

726625

ELLSWORTH AFB SD

73-82

ALL

STATION

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS (L.S.T.)	;	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN											
MONTH		10%	20%	30%	40%	50%	60%	70°•	80%	90°.	RELATIVE	NO. OF OBS.		
JAN	ALL	100.0	99.9	98.0	91.6	74.7	46.8	19.1	4 - 1	•6	59.0	7432		
FEb		100.0	99.4	95.2	87.1	70.7	47.5	24.8	7 • 3	1.8	59.0	6763		
MAR		100.0	98.4	91.9	82.0	69.1	51.6	31.8	14.2	2.7	59.7	7439		
APR		100.0	97.8	89.5	77.1	62.7	47.3	30.6	16.4	3.9	58.1	7197		
MAY		100.0	99.1	92.1	78.3	63.7	48.2	31.8	16.2	5.2	59.2	7439		
JUN		160.0	98.3	92.4	78.8	61.9	42.6	26.5	10.7	2.0	57.0	7198		
JUL		160.0	96.2	84.2	67.4	48.4	32.9	18.7	8 • 2	2.9	51.6	7438		
AUG		100.0	95.7	84.8	67.8	49.6	32.4	17.8	7.5	2.7	51.5	7433		
5EP		100.0	93.2	79.2	61.4	43.5	28.5	16.1	6.0	2.0	48.6	7200		
oct		100.0	96.2	84.1	68.2	52.4	35.4	20.8	9 • C	3.2	52.6	7438		
NOV		160.0	98.3	91.3	78.1	62.0	43.0	25.4	11.4	1.5	56.7	7198		
DEC		100.0	99.5	97.0	89.3	74.7	52.2	26.1	10.8	2.9	60.9	7431		
tot	'ALS	130.0	97.7	90.0	77.3	61.1	42.4	24.1	10.2	2.6	56.2	d7606		

USAFETAC FORM 0-87-5 (OL A)

U S AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

#### PART F

#### PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the pege for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

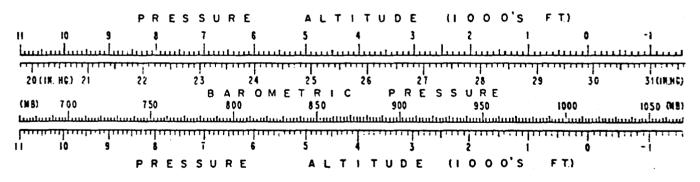
NOTES: Station pressure not reported for all services until late in 1945.

Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.

METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

- 1. Station pressure is presented in the table in inches of mercury.
- 2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressurealtitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



#### MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

726625	ī LI	LSWORTH	AFB SE	1			73-82	:						
5141 ON			YEARS											
HRS (S.		: JAN	FEB	MAR	APR.	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
	MEAN	25.573	26.5692	6.4792	6.5232	26.5182	6.5472	6.6022	6.5992	5.6212	26.6082	26.5952	6.543	26.565
1.2	5 5	.214	•199	.207	.208	•173	.149	•131	.135	.170	.194	.210	213	.191
	TOTAL DBS	313	282	310	300	310	300	310	310	300	310	300	310	3652
	MEAN	26.564	26.5652	6-4782	6.5262	26.5232	6.5562	6.6112	6.6032	6 - 6252	6.6092	26.5952	6.541	26.556
.5	5 5	.214	.201	-204	•209	.173	.148		.138	.173	.195	.209		.191
	101AL 085	***	282	310	300	310	300	316	310	300	310	299	310	3651
		26.579	12 6074		7 65.7	12 2964	7 67 65	7 / 7 9 7	1/ / 512	12 235	2 2589	)	. EFO	26.583
1.8	MEAN	•216		.204			.150		.138	.174		.210		.193
	5 D		282	310	300	310	300	310	310	300	310	300	310	3652
	TOTAL OBS	313	202	310	300	310	300	310	310	300	310	300	310	3632
	MFAN	26.584	26.5892	6.4912	6.5382	26.5232	6.5602	6.6192	26.6132	26.6332	6 - 6202	6.5092	6.565	26.579
11	5 0	.221	.204	•2J6	.210	.178	.149		.137	.176		.210	.220	.193
	101AL 085			310	300	310	300	310	310	299	310	300	309	3649
	MIAN	26.546	26.5522	6.4563	A 5103	24.4982	6.5342	6.5045	4.5857	6-6013	A . 5842	6. 5723	6.530	26.547
. 4	5 D	.218	.234	204	.207	.178		.132	.134	.172		209	-218	.191
• •	TOTAL DBS		281	310	300	310	299	310	310	300	310	300	310	3650
	WEAN	26.5662	26.5632	6.4622	6.5052	6.4862	6.5172	6.5732	6.5692	6.5982	6.5902	6.5862	6.546	26.547
1.7	5 D	.212	.201	.200	.201	.176	.146	. 132	.132	.165	.185	.208	.215	.188
	TOTAL OBS	310	282	310	300	310	300	309	310	299	310	300	309	3549
	MEAN	26.5762	26.5772	6.4872	6.5332	6.5102	6.5362	6.5902	6.5922	6.6262	6.6112	6.5972	6.554	26.565
2.7	5 D	.215	.202		.200	.172	.144			.164		.211	.218	.188
	TOTAL OBS		282	310	300	310	300	310	310	300	310	300	309	3651
		26.575	14 6767	4 4007	4 5412	× 6263	4 6673	4 4117	6 40ch		4 4113	6 5077		26.572
23	MEAN	214	·202	.202	.205	•172		.131	•131	.167	•192		•219	.190
د ع	S D TOTAL OBS		282	310	300	309	300	310	309	300	310	299	309	3648
				~~~~					7 - 5 0 0 5					
ALL	WEAN													26.565
HOURS	5 0	.216	.202	203	-207	.175	.149	•132	.135	.170	.191	.210	-216	.191
	TOTAL OBS	2480	2254	2480	2400	2479	2399	2479	2479	2398	2480	2398	2476	29202

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MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

726625 ELLSWORTH AFB SO 73-82

HRS :L 5 T	. 4	JAN	FEB.	MAR.	APR.	MAY	JUN	JUL	AUG	SEP.	OCT	NOV	DEC	ANNUAL
	MEAN	1019.3	1018.3	1013.4	1013.6	1012.0	1011.9	1013.1	1013.3	1015.1	1016.1	1017.8	1016.9	1015.0
32	5 D	9.721	9.050	8.974	8.655	7.221	5.167	5.514	5.617	7.228	8.210	9.054	9.433	8.369
	TOTAL OBS	309	292	310	300	310	300	310	310	300	310	300	309	3650
	MEAN	1019.3												
ំ5	S 5" .												9.368	
	TOTAL OBS	310	282	310	300	309	299	310	310	300	310	300	310	3650
	MEAN	1020.1	TOTAL T	1416.5	1014.5	1715.7	712.0	1010.3	111111	1016.5	1017 1	1110 2	รสรจาก	1016.1
ú B	S D											8.834		3.362
ر ن		310	282	310	300	310	300	310	310	300	310	300	310	3652
	TOTAL OBS	310		310	300	310	300	310	315	300	310	350	310	3034
	MEAN	1019.9	1019.2	1014.0	1014.1	1012.2	1012.4	1013.7	1013.9	1015.6	1016.7	1018.5	1017.8	1015.6
11	S D	9.975	9.168	8.803	8.605	7.358	6.066	5.599	5.719	7.303	7.958	8.948	9.479	6.420
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1.4	MEAN .	1018.3												1014.3
14	5 0											8.936		8.291
	TOTAL OBS	310	282	310	300	310	299	310	309	300	310	300	310	3650
	MEAN	1019.4	018.3	1012.93	013.0	1010.8	010.8	1012.1	012.3	1014.3	1015.8	1618-0	1017-4	1014.6
17	S D											8.628		8.361
- '	TOTAL OBS	310	282	310	300	309	300	309	318	299	310	300	309	3648
	MEAN	1019.91							- -					1015.4
20	\$ D -												9.504	8.333
	TOTAL OBS	309	282	310	300	308	299	310	310	300	310	300	309	3647
		1019.5		1717 61	A 10 3	1615 3	313 3		A 1 3 - F	1016 6	1832 W		6.2	* 6 * 5 * 6
23	MEAN [9.151		1015.4
	S D		282											8.346
	TOTAL OBS	310	282	310	300	309	299	310	309	300	310	300	309	3648
	MEAN	1019.5	1318.6	1013.61	013.8	1011.9	011.9	1013.2	013.4	015.3	016.4	018.21	017.4	1015.2
ALL HOURS	S D S	9.762	9.107	8.753	8.523	7.273	6.082	5.548	5.634	7.163	7.980	8.949	9.449	8.367

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